



# IceTray® Curved Indirect/Direct T5 / T5HO

Type:

Project:

PHOTOMETRICS

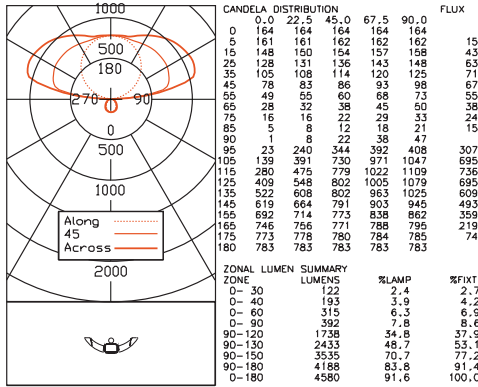
Modular / 10" x 3"

ICM8

## 1-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5606 DATE: 8-26-2002

CATALOG NUMBER: 10CRM8-1-54T5HO-OPD  
LUMINAIRE: 10 1/2"W x 3"H PEERLITE INDIRECT/DIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): FP54/835 RATED @ 5000 LUMENS  
BALLAST: 1X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 60.3 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS			
ANGLE IN DEG	AVERAGE	AVERAGE	AVERAGE
0-DEG	45-DEG	90-DEG	
45	130.	146.	168.
65	101.	116.	139.
65	77.	91.	106.
75	71.	69.	79.
85	44.	47.	51.

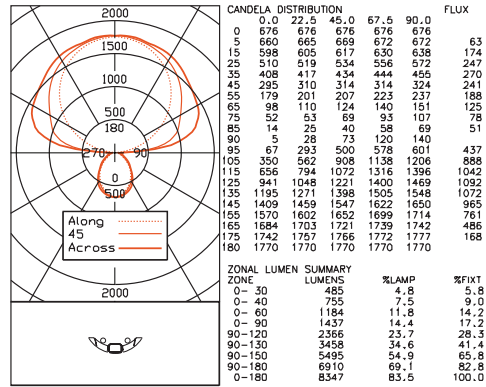
APPROVED BY: [Signature]

TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

## 2-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5599 DATE: 8-26-2002

CATALOG NUMBER: 10CRM8-2-54T5HO-OPD  
LUMINAIRE: 10 1/2"W x 3"H PEERLITE INDIRECT/DIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 2-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 118.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



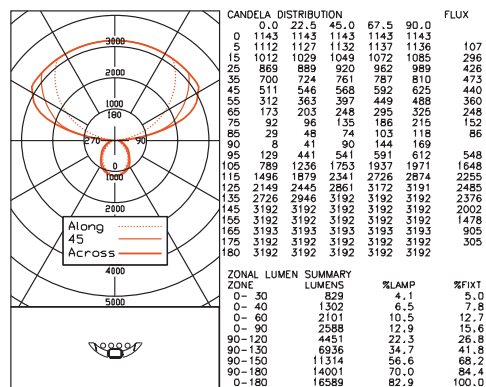
LUMINANCE DATA IN FOOTLAMBERTS			
ANGLE IN DEG	AVERAGE	AVERAGE	AVERAGE
0-DEG	45-DEG	90-DEG	
45	492.	530.	554.
65	367.	409.	449.
65	272.	300.	323.
75	234.	217.	256.
85	192.	188.	193.

APPROVED BY: [Signature]

## 4-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5593 DATE: 8-26-2002

CATALOG NUMBER: 10CRM8-4-54T5HO-OPD  
LUMINAIRE: 10 1/2"W x 3"H PEERLITE INDIRECT/DIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 4-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 2-2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 220.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



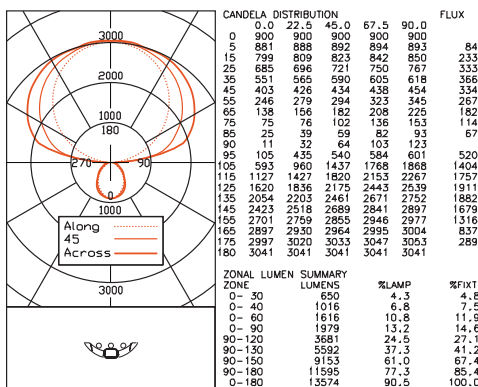
LUMINANCE DATA IN FOOTLAMBERTS			
ANGLE IN DEG	AVERAGE	AVERAGE	AVERAGE
0-DEG	45-DEG	90-DEG	
45	851.	958.	1068.
65	641.	782.	923.
65	481.	600.	694.
75	419.	423.	515.
85	385.	345.	334.

APPROVED BY: [Signature]

## 3-LAMP T5HO WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5604 DATE: 8-26-2002

CATALOG NUMBER: 10CRM8-3-54T5HO-OPD  
LUMINAIRE: 10 1/2"W x 3"H PEERLITE INDIRECT/DIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 3-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 1X54/120PHO & 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 181.8 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



LUMINANCE DATA IN FOOTLAMBERTS			
ANGLE IN DEG	AVERAGE	AVERAGE	AVERAGE
0-DEG	45-DEG	90-DEG	
45	671.	733.	777.
65	505.	579.	633.
65	385.	441.	480.
75	343.	320.	366.
85	333.	275.	263.

APPROVED BY: [Signature]

\*Use a 0.58 multiplier for T5.

# IceTray® Curved Indirect/Direct T5 / T5HO

Type:

Project:

PHOTOMETRICS

Modular / 10" x 3"

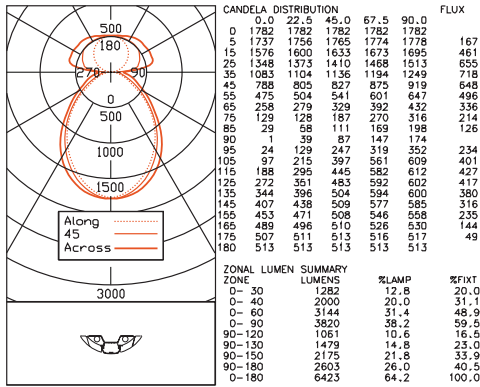
ICM8

## 2-LAMP T5HO 40/60 WITH OPD

## 3-LAMP T5HO 40/60 WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5614 DATE: 8-26-2002

CATALOG NUMBER: ICM8-2-54T5HO-40/60-OPD  
LUMINAIRE: 10 1/2"W X 5 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 2-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 118.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY

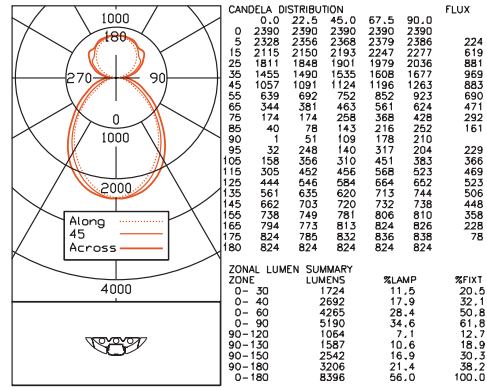
ZONE	LUMENS	%LAMP	%FIXT
0-30	1282	12.8	20.0
0-40	2000	20.0	31.1
0-60	3144	31.4	48.9
0-90	3820	38.2	59.5
90-120	1061	10.6	16.5
90-130	1479	14.8	23.0
90-150	2175	21.8	33.9
90-180	2603	26.0	40.5
0-180	6423	64.2	100.0

LUMINAIRE EFFICIENCY = 64.2 %  
GIE TYPE - GENERAL DIFFUSER

TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5611 DATE: 8-26-2002

CATALOG NUMBER: ICM8 3-54T5HO-40/60 OPD  
LUMINAIRE: 10 1/2"W X 5 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 3-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 1X54/120PHO & 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 181.8 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	1724	11.5	20.5
0-40	2592	17.9	32.1
0-60	4265	28.4	50.8
0-90	5190	34.6	61.8
90-120	1064	7.1	12.7
90-130	1587	10.6	18.9
90-150	2542	16.9	30.3
90-180	3206	21.4	38.2
0-180	8396	56.0	100.0

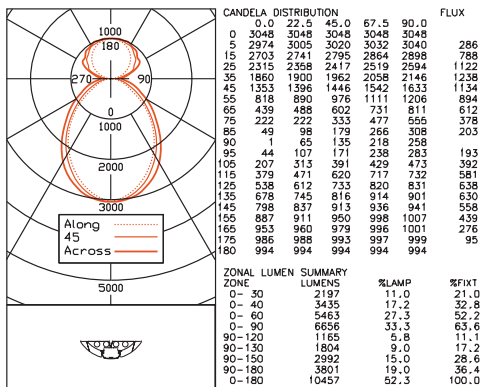
LUMINAIRE EFFICIENCY = 56.0 %  
GIE TYPE - SEMI-DIRECT

TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

## 4-LAMP T5HO 40/60 WITH OPD

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5619 DATE: 8-26-2002

CATALOG NUMBER: ICM8-4-54T5HO-40/60-OPD  
LUMINAIRE: 10 1/2"W X 5 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND OPAL DIFFUSER  
LAMP(S): 4-FP54/835/ RATED @ 5000 LUMENS  
BALLAST: 2-2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 220.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0-30	2197	11.0	21.0
0-40	3435	17.2	32.8
0-60	5463	25.3	52.2
0-90	6656	33.3	63.6
90-120	1165	5.8	11.1
90-130	1604	9.0	17.2
90-150	2992	15.0	28.6
90-180	3801	19.0	36.4
0-180	10437	52.3	100.0

LUMINAIRE EFFICIENCY = 52.3 %  
GIE TYPE - SEMI-DIRECT

TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

\*Use a 0.58 multiplier for T5.

# IceTray® Curved

## Indirect/Direct T5 / T5HO

Type:

Project:

PHOTOMETRICS

Modular / 10" x 3"

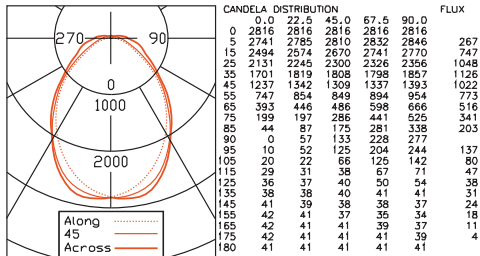
ICM8

### 2-LAMP T5HO 5/95

### 3-LAMP T5HO 5/95

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5627 DATE: 8-26-2002

CATALOG NUMBER: ICM8-2-54T5HO-5/95  
LUMINAIRE: 10 1/2"W X 3 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND PERFORATED SIDE SHIELD  
LAMP(S): 2-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 120.9 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	2062	20.6	32.1
0-40	3188	31.9	49.6
0-60	4983	49.8	77.5
0-90	6043	60.4	93.9
90-120	264	2.6	4.1
90-130	202	2.0	4.7
90-150	357	3.6	5.6
90-180	390	3.9	6.1
0-180	6432	64.3	100.0

LUMINANCE DATA IN FOOTLAMBERTS  
ANGLE AVERAGE AVERAGE AVERAGE  
IN DEG 0-DEG 45-DEG 90-DEG  
45 2061. 2208. 2381.  
65 1534. 1673. 1809.  
65 1095. 1177. 1423.  
75 904. 898. 1258.  
85 590. 616. 954.

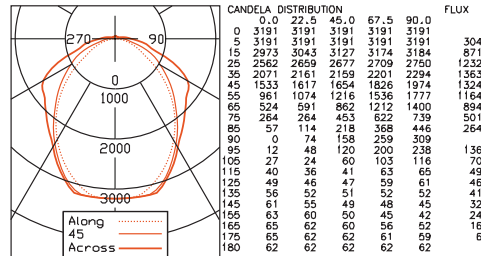
TOTAL LUMINAIRE EFFICIENCY = 64.3 %  
CIE TYPE - DIRECT



TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5629 DATE: 8-26-2002

CATALOG NUMBER: ICM8-3-54T5HO-5/95  
LUMINAIRE: 10 1/2"W X 3 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND PERFORATED SIDE SHIELD  
LAMP(S): 3-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 1X54/120PHO & 2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 182.4 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	2408	16.1	28.9
0-40	3770	25.1	45.2
0-60	6258	41.7	75.1
0-90	7917	52.8	95.0
90-120	255	1.7	3.1
90-130	302	2.0	3.6
90-150	374	2.5	4.5
90-180	421	2.8	5.0
0-180	8527	55.4	100.0

LUMINANCE DATA IN FOOTLAMBERTS  
ANGLE AVERAGE AVERAGE AVERAGE  
IN DEG 0-DEG 45-DEG 90-DEG  
45 2655. 2791. 3374.  
65 1975. 2394. 3361.  
65 1461. 2086. 2992.  
75 1201. 1423. 1771.  
85 771. 1019. 1261.

TOTAL LUMINAIRE EFFICIENCY = 55.6 %  
CIE TYPE - DIRECT

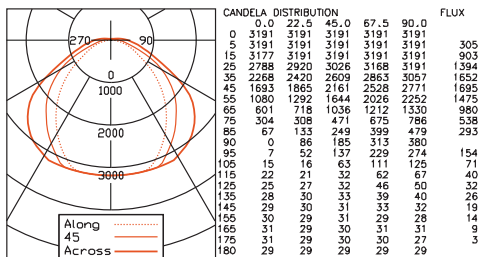


TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

### 4-LAMP T5HO 5/95

FAR-FIELD PHOTOMETRY  
REPORT NUMBER: 5630 DATE: 8-26-2002

CATALOG NUMBER: ICM8-4-54T5HO-5/95  
LUMINAIRE: 10 1/2"W X 3 1/8"H PEERLITE DIRECT/INDIRECT LIGHT WITH WHITE PAINTED REFLECTOR AND PERFORATED SIDE SHIELD  
LAMP(S): 4-FP54/835 RATED @ 5000 LUMENS  
BALLAST: 2-2X54/120PHO  
MOUNTING:  
LUMEN TO CANDELA RATIO USED = 9.15  
TOTAL INPUT WATTS = 242.2 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



ZONAL LUMEN SUMMARY			
ZONE	LUMENS	%LAMP	%FIXT
0-30	2602	13.0	27.1
0-40	4253	21.3	44.3
0-60	7423	37.1	77.3
0-90	9235	46.2	96.2
90-120	265	1.3	2.8
90-130	297	1.5	3.1
90-150	343	1.7	3.6
90-180	368	1.8	3.8
0-180	9602	48.0	100.0

LUMINANCE DATA IN FOOTLAMBERTS  
ANGLE AVERAGE AVERAGE AVERAGE  
IN DEG 0-DEG 45-DEG 90-DEG  
45 2822. 3646. 4736.  
65 2217. 3237. 4252.  
65 1675. 2508. 2842.  
75 1384. 1480. 1884.  
85 905. 1162. 1351.

TOTAL LUMINAIRE EFFICIENCY = 48.0 %  
CIE TYPE - DIRECT



TESTED IN ACCORDANCE WITH IES PROCEDURES, TEST DISTANCE EXCEEDS 25.0 FEET

\*Use a 0.58 multiplier for T5.