

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P737767

Luminaire Tested: **14PT-30-PL1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PL1-L830
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

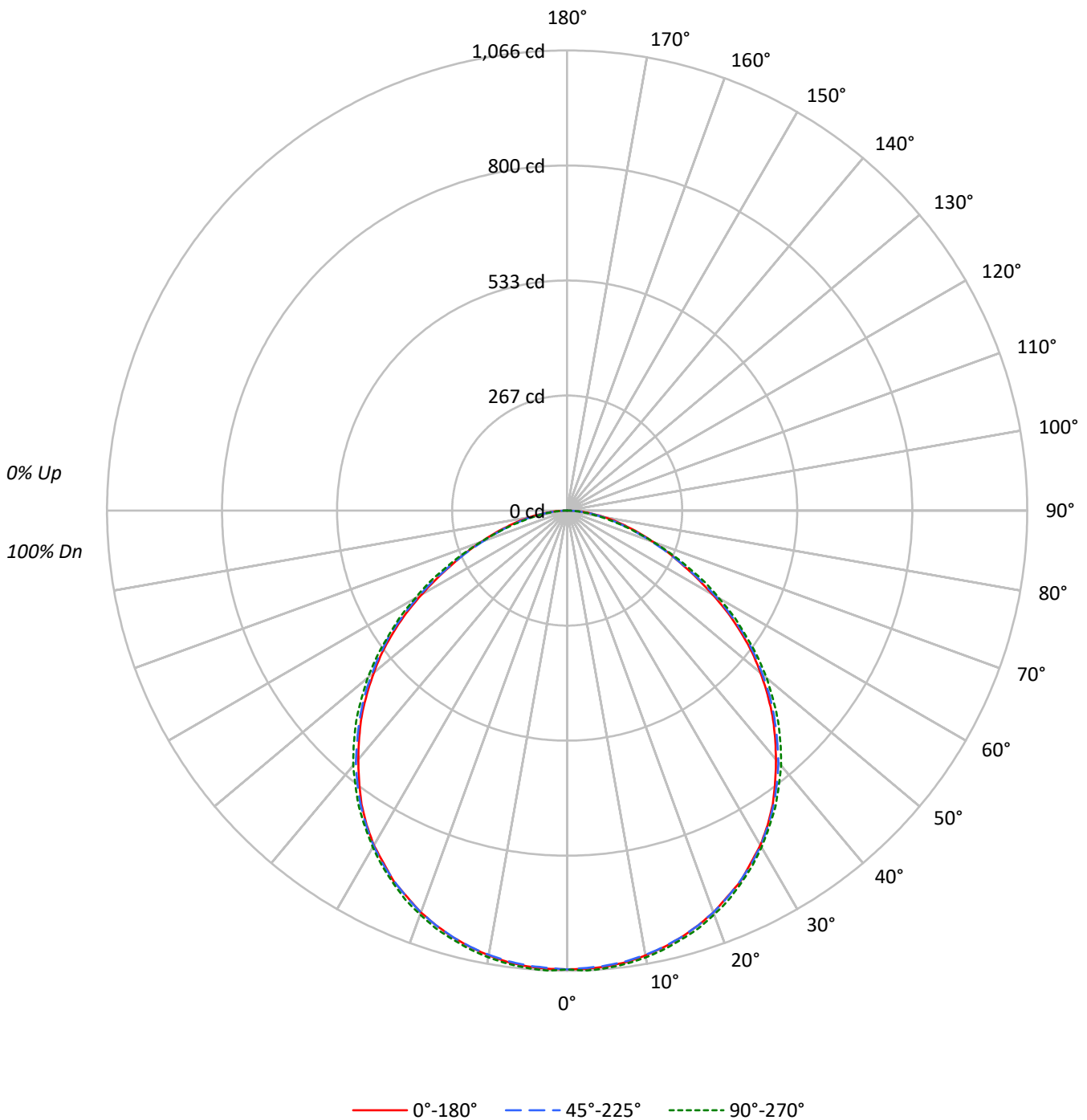
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2802.0 lumens
Efficiency: N/A
Efficacy: 119.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 23.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P737767
CATALOG NUMBER: 14PT-30-PL1-L830

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46					46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3187	3187	3187
5°	3189	3183	3201
10°	3186	3182	3200
15°	3176	3175	3190
20°	3160	3160	3178
25°	3138	3135	3152
30°	3099	3103	3118
35°	3040	3051	3076
40°	2945	2980	3018
45°	2854	2877	2932
50°	2728	2757	2812
55°	2569	2610	2641
60°	2331	2380	2439
65°	2070	2093	2176
70°	1850	1813	1857
75°	1669	1574	1542
80°	1516	1407	1252
85°	1287	1166	1001



TEST NUMBER: P737767

CATALOG NUMBER: 14PT-30-PL1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	3.6
10°-20°	289.2	10.3
20°-30°	437.4	15.6
30°-40°	521.4	18.6
40°-50°	524.3	18.7
50°-60°	445.0	15.9
60°-70°	296.3	10.6
70°-80°	147.9	5.3
80°-90°	39.6	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	827.5	29.5
0°-40°	1348.9	48.1
0°-60°	2318.2	82.7
0°-90°	2802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2802.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1060	1060	1058	1063	1064	101
15°	1023	1024	1023	1027	1028	289
25°	949	949	948	952	953	436
35°	831	831	834	840	840	518
45°	673	674	679	688	692	518
55°	492	495	499	504	505	438
65°	292	294	295	299	307	293
75°	144	142	136	133	133	155
85°	37	37	34	32	29	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1062.9	1062.9	1062.9	1062.9	1062.9
2.5°	1062.2	1062.9	1060.2	1065.3	1066.5
5°	1059.8	1060.2	1057.8	1062.6	1063.7
7.5°	1054.7	1055.1	1052.7	1057.8	1058.6
10°	1046.4	1047.2	1045.2	1050.0	1051.1
12.5°	1035.8	1037.0	1035.0	1040.1	1040.9
15°	1023.2	1024.4	1022.8	1027.1	1027.9
17.5°	1007.8	1008.6	1007.8	1011.8	1014.1
20°	990.5	990.5	990.5	994.0	996.0
22.5°	968.8	970.8	970.0	974.7	976.7
25°	948.7	948.7	947.6	951.9	952.7
27.5°	920.8	923.9	923.5	927.5	928.3
30°	895.2	896.0	896.4	899.1	900.7
32.5°	864.1	864.9	866.0	870.0	870.4
35°	830.6	831.4	833.7	839.6	840.4
37.5°	791.6	795.9	797.9	804.2	805.0
40°	752.6	755.4	761.3	768.0	771.1
42.5°	712.8	716.0	719.5	728.6	731.3
45°	673.1	674.2	678.6	687.6	691.6
47.5°	628.9	632.5	636.4	644.3	646.7
50°	584.8	588.8	591.1	598.2	603.0
52.5°	540.3	543.9	546.6	551.0	555.7
55°	491.5	495.0	499.4	504.1	505.3
57.5°	441.9	445.8	448.6	453.7	458.8
60°	388.7	393.0	397.0	401.7	406.8
62.5°	339.1	341.1	345.0	352.9	360.4
65°	291.8	294.2	295.0	299.3	306.8
67.5°	252.4	252.4	248.9	250.5	258.7
70°	211.1	209.5	206.8	205.2	211.9
72.5°	177.6	175.6	169.7	167.0	170.5
75°	144.1	142.2	135.9	132.7	133.1
77.5°	115.8	112.6	107.5	102.0	100.8
80°	87.8	86.6	81.5	76.4	72.5
82.5°	62.2	59.5	56.7	53.6	50.4
85°	37.4	36.6	33.9	31.9	29.1
87.5°	15.4	15.4	14.6	13.8	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)