

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: P737783

Luminaire Tested: **14PT-30-PR1-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-30-PR1-L830
Description: 3000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

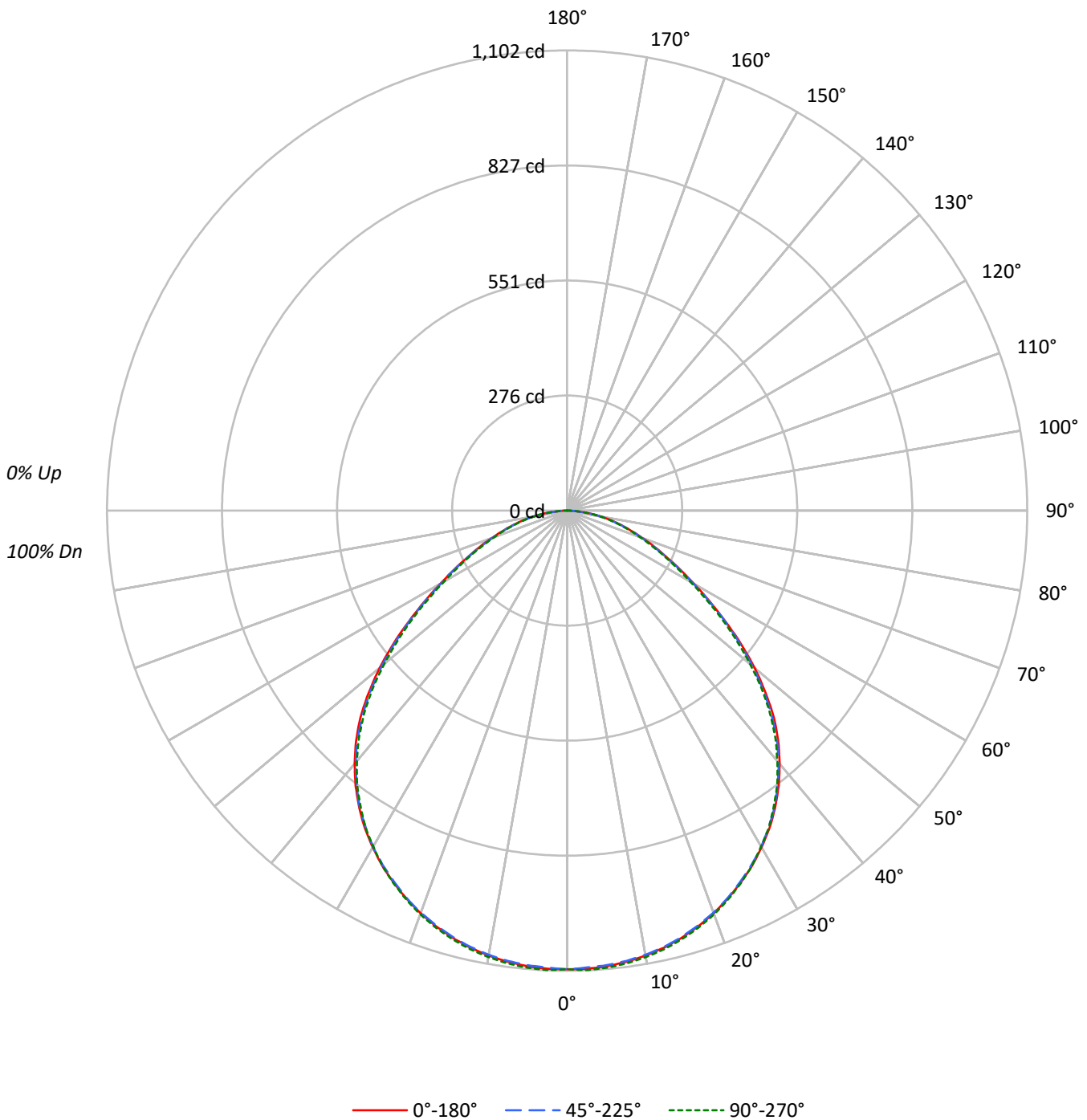
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2778.0 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
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: P737783
CATALOG NUMBER: 14PT-30-PR1-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88					85				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					73				
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64					62				
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56					54				
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49					47				
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43					41				
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39					37				
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35					33				
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31					30				
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3293	3293	3293
5°	3296	3289	3307
10°	3294	3288	3306
15°	3287	3282	3298
20°	3273	3270	3282
25°	3252	3244	3256
30°	3223	3219	3215
35°	3179	3172	3159
40°	3099	3086	3065
45°	2970	2936	2915
50°	2732	2701	2668
55°	2418	2408	2361
60°	2101	2094	2037
65°	1852	1841	1804
70°	1680	1657	1622
75°	1556	1519	1491
80°	1421	1400	1352
85°	1125	1111	1070



TEST NUMBER: P737783

CATALOG NUMBER: 14PT-30-PR1-L830

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.2	3.8
10°-20°	299.1	10.8
20°-30°	453.1	16.3
30°-40°	540.9	19.5
40°-50°	531.9	19.1
50°-60°	411.1	14.8
60°-70°	259.2	9.3
70°-80°	140.2	5.0
80°-90°	38.3	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°	856.3	30.8
0°-40°	1397.2	50.3
0°-60°	2340.2	84.2
0°-90°	2778.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2778.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1098	1098	1098	1098	1098	
5°	1095	1096	1093	1098	1099	104
15°	1059	1060	1058	1061	1063	299
25°	983	984	981	984	984	453
35°	868	869	867	865	863	542
45°	700	698	692	687	687	536
55°	463	466	461	453	452	415
65°	261	261	260	255	254	263
75°	134	133	131	132	129	143
85°	33	33	32	33	31	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1098.5	1098.5	1098.5	1098.5	1098.5
2.5°	1098.1	1098.5	1095.3	1100.4	1101.6
5°	1095.3	1095.7	1092.9	1097.7	1098.9
7.5°	1089.8	1090.6	1087.8	1092.6	1093.7
10°	1081.9	1082.7	1080.0	1084.7	1085.9
12.5°	1072.1	1072.5	1070.1	1074.4	1075.6
15°	1059.1	1059.5	1057.5	1061.1	1062.6
17.5°	1044.1	1044.5	1041.8	1046.1	1046.9
20°	1026.0	1026.4	1024.8	1028.4	1028.8
22.5°	1005.9	1006.7	1004.4	1007.5	1007.9
25°	983.1	983.9	980.7	983.9	984.3
27.5°	959.1	959.5	956.7	959.1	958.7
30°	931.1	933.5	929.9	929.2	928.8
32.5°	902.0	902.4	898.8	898.1	899.6
35°	868.5	868.9	866.6	865.4	863.0
37.5°	831.9	831.9	827.6	826.8	826.4
40°	791.8	791.4	788.6	785.9	783.1
42.5°	748.1	748.8	743.3	738.6	737.8
45°	700.4	697.7	692.5	687.0	687.4
47.5°	644.1	644.9	637.8	633.5	632.3
50°	585.8	585.8	579.2	574.4	572.1
52.5°	524.8	525.2	518.9	512.6	511.4
55°	462.6	466.5	460.6	453.2	451.6
57.5°	404.3	407.5	402.0	394.1	393.7
60°	350.4	350.8	349.2	341.7	339.8
62.5°	304.3	302.4	301.6	297.6	295.3
65°	261.0	261.4	259.5	255.1	254.3
67.5°	226.0	225.6	222.1	219.3	217.7
70°	191.7	190.6	189.0	186.6	185.0
72.5°	161.0	161.0	159.8	159.1	156.3
75°	134.3	132.7	131.1	131.9	128.7
77.5°	108.7	107.1	105.9	104.3	103.5
80°	82.3	80.7	81.1	78.7	78.3
82.5°	57.1	57.1	56.3	54.3	54.7
85°	32.7	33.1	32.3	32.7	31.1
87.5°	11.8	12.2	13.0	12.2	12.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)