

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: P737704

Luminaire Tested: **14PT-20-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PB1-L835
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

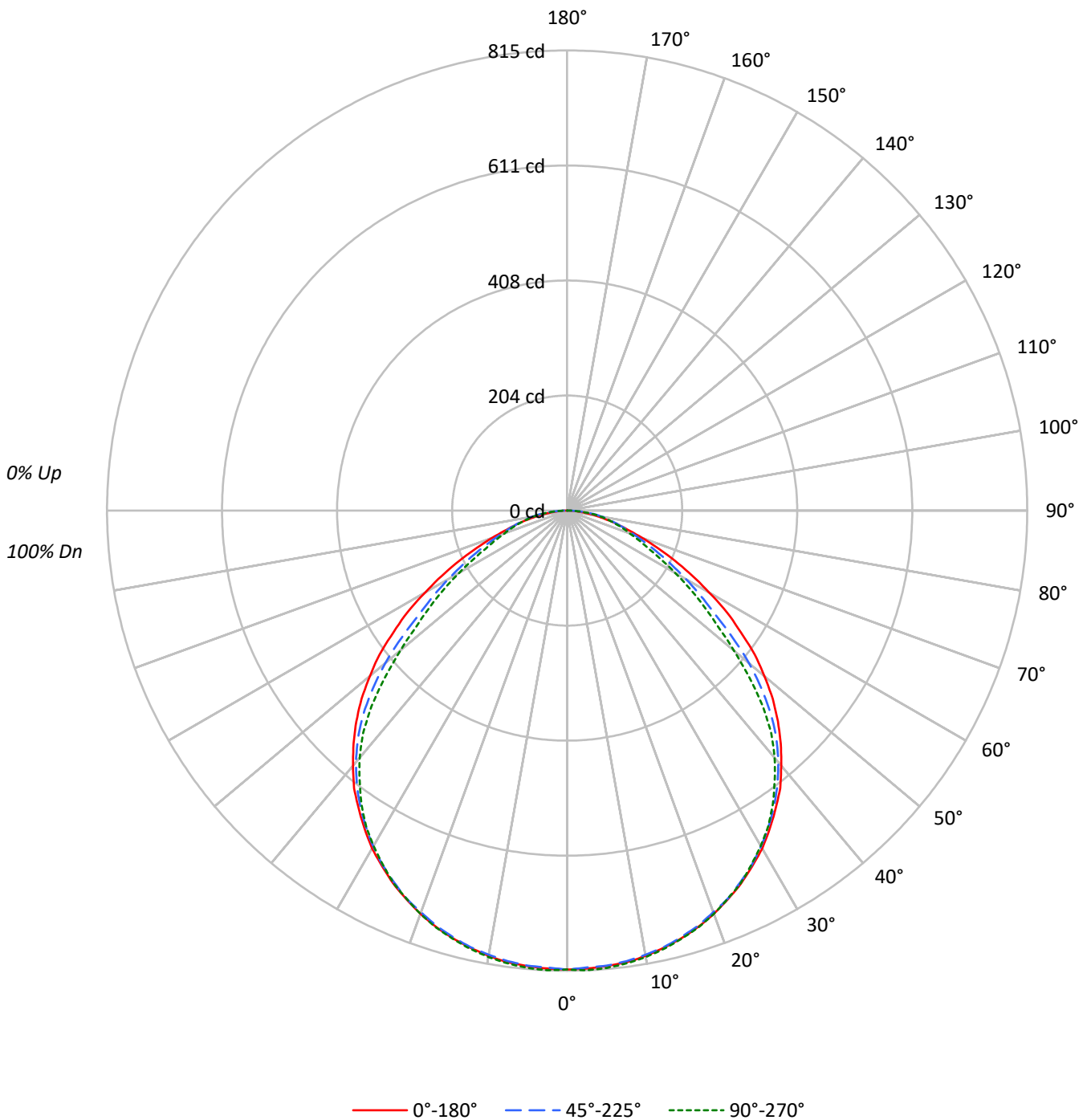
Lumens per Lamp: N/A
Luminaire Lumens: 2027.0 lumens
Efficiency: N/A
Efficacy: 125.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2437	2437	2437
5°	2437	2434	2446
10°	2438	2432	2444
15°	2433	2427	2436
20°	2424	2415	2424
25°	2411	2401	2408
30°	2392	2378	2375
35°	2357	2338	2324
40°	2309	2277	2238
45°	2238	2166	2077
50°	2126	1964	1796
55°	1960	1667	1547
60°	1745	1457	1325
65°	1497	1263	1128
70°	1236	1113	1034
75°	1043	1066	1008
80°	881	1088	1036
85°	688	1101	963



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	3.8
10°-20°	221.2	10.9
20°-30°	335.0	16.5
30°-40°	399.2	19.7
40°-50°	390.4	19.3
50°-60°	295.3	14.6
60°-70°	181.4	9.0
70°-80°	96.7	4.8
80°-90°	30.8	1.5
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°	633.3	31.2
0°-40°	1032.4	50.9
0°-60°	1718.1	84.8
0°-90°	2027.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2027.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	813	813	813	813	813	
5°	810	811	809	812	813	77
15°	784	785	782	785	785	221
25°	729	728	726	727	728	336
35°	644	643	639	636	635	403
45°	528	525	511	494	490	406
55°	375	356	319	301	296	336
65°	211	194	178	164	159	210
75°	90	91	92	89	87	96
85°	20	26	32	30	28	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	812.9	812.9	812.9	812.9	812.9
2.5°	811.9	812.9	809.9	813.9	814.9
5°	809.9	810.9	808.9	811.9	812.9
7.5°	806.9	806.9	804.9	807.9	808.9
10°	800.9	800.9	798.9	801.9	802.9
12.5°	792.9	792.9	791.9	793.9	794.9
15°	783.9	784.9	781.9	784.9	784.9
17.5°	772.9	771.9	770.9	772.9	773.9
20°	759.9	759.9	756.9	758.9	759.9
22.5°	744.9	744.9	743.9	744.9	743.9
25°	728.9	727.9	725.9	726.9	727.9
27.5°	709.9	709.9	707.9	707.9	706.9
30°	690.9	689.9	686.9	684.9	685.9
32.5°	667.9	666.9	663.9	661.9	662.9
35°	643.9	642.9	638.9	635.9	634.9
37.5°	619.9	616.9	611.9	607.9	603.9
40°	589.9	586.9	581.9	572.9	571.9
42.5°	559.9	556.9	548.9	537.9	534.9
45°	527.9	524.9	510.9	493.9	489.9
47.5°	493.9	488.9	466.9	445.9	437.9
50°	455.9	446.9	421.0	394.0	385.0
52.5°	419.0	403.0	369.0	345.0	336.0
55°	375.0	356.0	319.0	301.0	296.0
57.5°	336.0	310.0	280.0	262.0	258.0
60°	291.0	267.0	243.0	227.0	221.0
62.5°	250.0	229.0	209.0	195.0	188.0
65°	211.0	194.0	178.0	164.0	159.0
67.5°	173.0	164.0	151.0	140.0	137.0
70°	141.0	136.0	127.0	122.0	118.0
72.5°	112.0	114.0	108.0	106.0	103.0
75°	90.0	91.0	92.0	89.0	87.0
77.5°	68.0	73.0	77.0	75.0	73.0
80°	51.0	56.0	63.0	60.0	60.0
82.5°	35.0	41.0	47.0	45.0	44.0
85°	20.0	26.0	32.0	30.0	28.0
87.5°	8.0	13.0	14.0	14.0	13.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)