

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: P737888

Luminaire Tested: **14PT-60-PB1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737888
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-60-PB1-L835
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

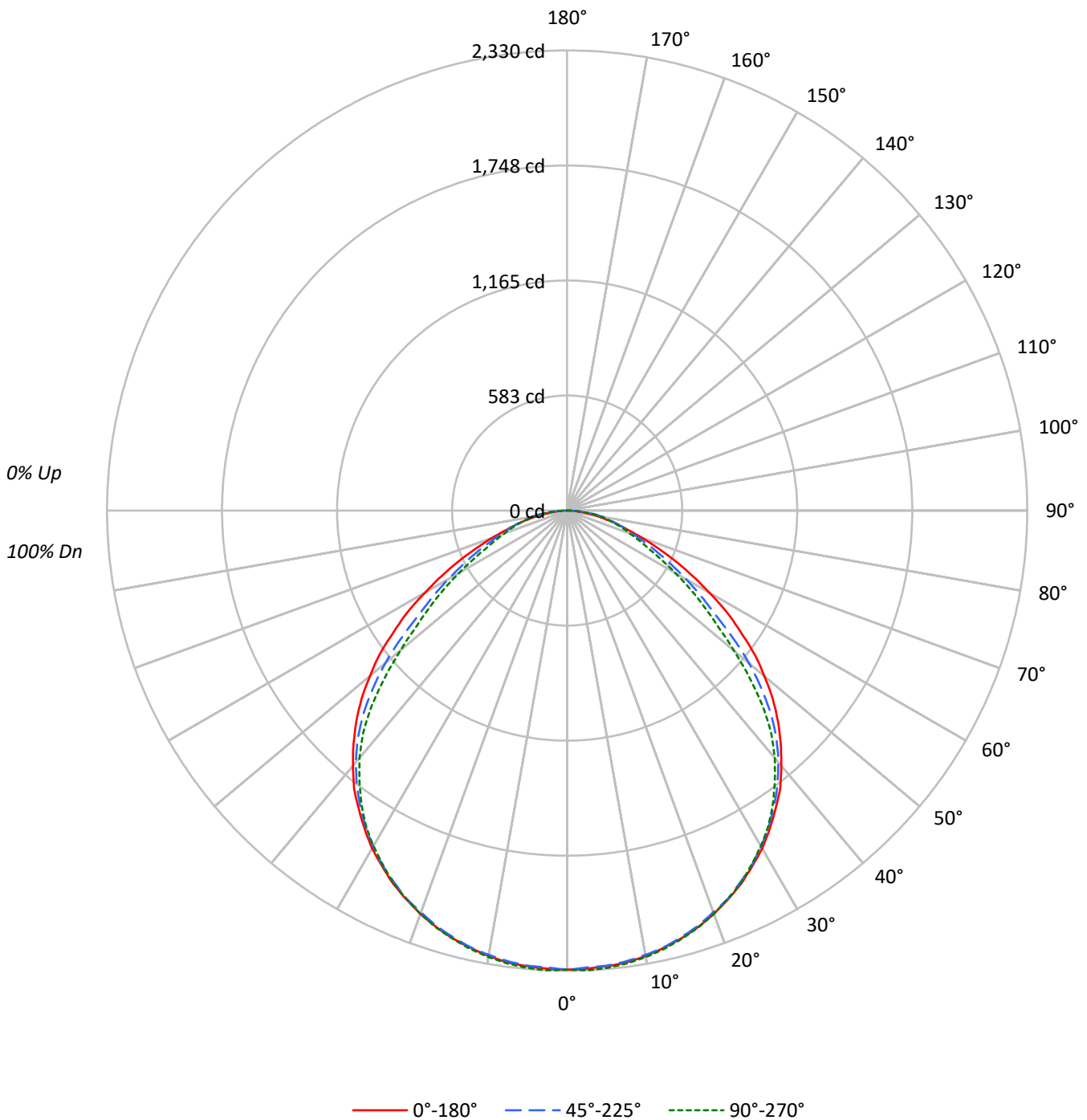
Lumens per Lamp: N/A
Luminaire Lumens: 5796.0 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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°	6969	6969	6969
5°	6969	6961	6995
10°	6972	6954	6989
15°	6957	6940	6966
20°	6933	6905	6933
25°	6895	6866	6885
30°	6839	6800	6790
35°	6739	6686	6645
40°	6602	6512	6400
45°	6401	6195	5940
50°	6081	5614	5134
55°	5604	4767	4424
60°	4989	4166	3789
65°	4280	3610	3225
70°	3533	3183	2958
75°	2980	3047	2881
80°	2517	3109	2961
85°	1968	3148	2755



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.4	3.8
10°-20°	632.4	10.9
20°-30°	958.0	16.5
30°-40°	1141.5	19.7
40°-50°	1116.3	19.3
50°-60°	844.3	14.6
60°-70°	518.7	8.9
70°-80°	276.3	4.8
80°-90°	88.1	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°	1810.8	31.2
0°-40°	2952.2	50.9
0°-60°	4912.8	84.8
0°-90°	5796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5796.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2324	2324	2324	2324	2324	
5°	2316	2319	2313	2322	2324	220
15°	2242	2244	2236	2244	2244	633
25°	2084	2081	2076	2078	2081	960
35°	1841	1838	1827	1818	1816	1152
45°	1510	1501	1461	1412	1401	1161
55°	1072	1018	912	861	846	960
65°	603	555	509	469	455	600
75°	257	260	263	254	249	276
85°	57	74	92	86	80	69
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2324.4	2324.4	2324.4	2324.4	2324.4
2.5°	2321.6	2324.4	2315.8	2327.3	2330.1
5°	2315.8	2318.7	2313.0	2321.6	2324.4
7.5°	2307.3	2307.3	2301.6	2310.1	2313.0
10°	2290.1	2290.1	2284.4	2293.0	2295.8
12.5°	2267.2	2267.2	2264.4	2270.1	2273.0
15°	2241.5	2244.4	2235.8	2244.4	2244.4
17.5°	2210.1	2207.2	2204.3	2210.1	2212.9
20°	2172.9	2172.9	2164.3	2170.0	2172.9
22.5°	2130.0	2130.0	2127.1	2130.0	2127.1
25°	2084.3	2081.4	2075.7	2078.5	2081.4
27.5°	2029.9	2029.9	2024.2	2024.2	2021.4
30°	1975.6	1972.8	1964.2	1958.5	1961.3
32.5°	1909.9	1907.0	1898.4	1892.7	1895.6
35°	1841.2	1838.4	1826.9	1818.4	1815.5
37.5°	1772.6	1764.0	1749.8	1738.3	1726.9
40°	1686.9	1678.3	1664.0	1638.2	1635.4
42.5°	1601.1	1592.5	1569.6	1538.2	1529.6
45°	1509.6	1501.0	1461.0	1412.4	1400.9
47.5°	1412.4	1398.1	1335.2	1275.1	1252.3
50°	1303.7	1278.0	1203.7	1126.5	1100.7
52.5°	1198.0	1152.2	1055.0	986.4	960.6
55°	1072.2	1017.8	912.0	860.6	846.3
57.5°	960.6	886.3	800.5	749.1	737.6
60°	832.0	763.4	694.8	649.0	631.9
62.5°	714.8	654.7	597.5	557.5	537.5
65°	603.3	554.7	508.9	468.9	454.6
67.5°	494.6	468.9	431.7	400.3	391.7
70°	403.1	388.8	363.1	348.8	337.4
72.5°	320.2	325.9	308.8	303.1	294.5
75°	257.3	260.2	263.0	254.5	248.7
77.5°	194.4	208.7	220.1	214.4	208.7
80°	145.8	160.1	180.1	171.5	171.5
82.5°	100.1	117.2	134.4	128.7	125.8
85°	57.2	74.3	91.5	85.8	80.1
87.5°	22.9	37.2	40.0	40.0	37.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)