

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: P737920

Luminaire Tested: **14PT-60-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737920
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-60-PR1-L835
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

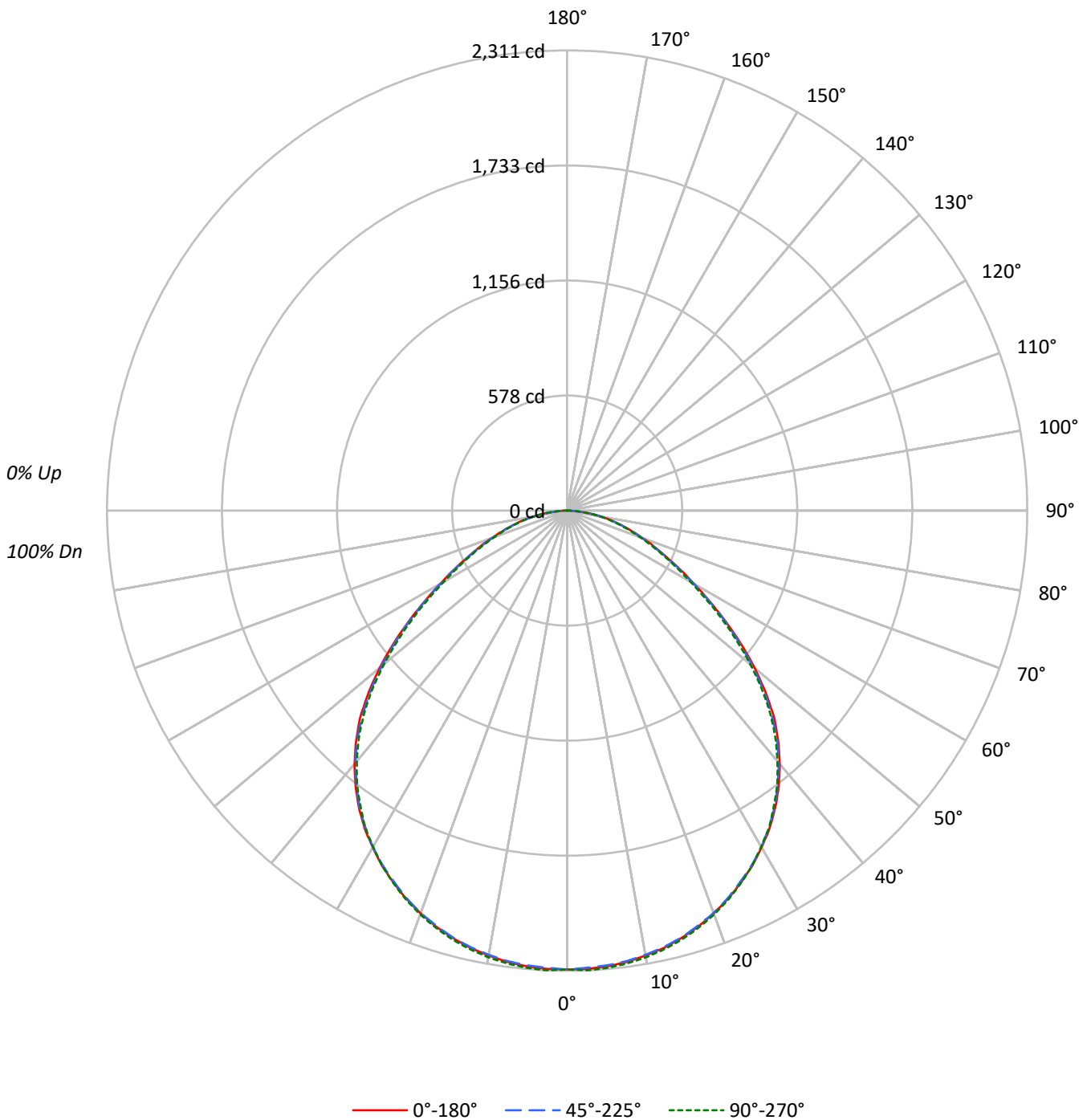
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5828.0 lumens
Efficiency: N/A
Efficacy: 117.0 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): 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	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°	6909	6909	6909
5°	6916	6901	6938
10°	6910	6897	6935
15°	6896	6886	6919
20°	6868	6860	6886
25°	6823	6806	6831
30°	6762	6754	6745
35°	6669	6654	6626
40°	6501	6475	6430
45°	6230	6160	6115
50°	5733	5667	5597
55°	5073	5051	4952
60°	4408	4393	4274
65°	3885	3861	3785
70°	3526	3476	3403
75°	3263	3186	3129
80°	2980	2939	2838
85°	2360	2329	2246



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.6	3.8
10°-20°	627.4	10.8
20°-30°	950.5	16.3
30°-40°	1134.7	19.5
40°-50°	1115.9	19.1
50°-60°	862.5	14.8
60°-70°	543.8	9.3
70°-80°	294.2	5.0
80°-90°	80.4	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°	1796.5	30.8
0°-40°	2931.2	50.3
0°-60°	4909.6	84.2
0°-90°	5828.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5828.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2304	2304	2304	2304	2304	
5°	2298	2299	2293	2303	2305	218
15°	2222	2223	2219	2226	2229	627
25°	2062	2064	2058	2064	2065	951
35°	1822	1823	1818	1816	1810	1138
45°	1469	1464	1453	1441	1442	1125
55°	970	979	966	951	947	871
65°	548	548	544	535	534	551
75°	282	278	275	277	270	299
85°	69	69	68	69	65	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2304.5	2304.5	2304.5	2304.5	2304.5
2.5°	2303.6	2304.5	2297.9	2308.6	2311.1
5°	2297.9	2298.7	2292.9	2302.8	2305.3
7.5°	2286.3	2288.0	2282.2	2292.1	2294.6
10°	2269.8	2271.4	2265.6	2275.6	2278.0
12.5°	2249.1	2250.0	2245.0	2254.1	2256.6
15°	2221.9	2222.7	2218.6	2226.0	2229.3
17.5°	2190.5	2191.3	2185.5	2194.6	2196.3
20°	2152.5	2153.3	2150.0	2157.4	2158.3
22.5°	2110.4	2112.0	2107.1	2113.7	2114.5
25°	2062.5	2064.1	2057.5	2064.1	2064.9
27.5°	2012.1	2012.9	2007.1	2012.1	2011.2
30°	1953.4	1958.4	1951.0	1949.3	1948.5
32.5°	1892.3	1893.1	1885.7	1884.0	1887.4
35°	1822.1	1822.9	1818.0	1815.5	1810.5
37.5°	1745.3	1745.3	1736.2	1734.5	1733.7
40°	1661.0	1660.2	1654.4	1648.6	1642.9
42.5°	1569.4	1571.0	1559.4	1549.5	1547.9
45°	1469.4	1463.6	1452.9	1441.3	1442.2
47.5°	1351.3	1352.9	1338.1	1329.0	1326.5
50°	1229.1	1229.1	1215.0	1205.1	1200.1
52.5°	1101.0	1101.9	1088.6	1075.4	1072.9
55°	970.5	978.8	966.4	950.7	947.4
57.5°	848.3	854.9	843.3	826.8	826.0
60°	735.1	735.9	732.6	716.9	712.8
62.5°	638.5	634.3	632.7	624.4	619.5
65°	547.6	548.4	544.3	535.2	533.6
67.5°	474.1	473.3	465.8	460.1	456.8
70°	402.2	399.8	396.5	391.5	388.2
72.5°	337.8	337.8	335.3	333.7	327.9
75°	281.7	278.4	275.0	276.7	270.1
77.5°	228.0	224.7	222.2	218.9	217.2
80°	172.6	169.3	170.2	165.2	164.4
82.5°	119.8	119.8	118.1	114.0	114.8
85°	68.6	69.4	67.7	68.6	65.3
87.5°	24.8	25.6	27.3	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)