

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: P737890

Luminaire Tested: **14PT-60-PB1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737890
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-L850
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

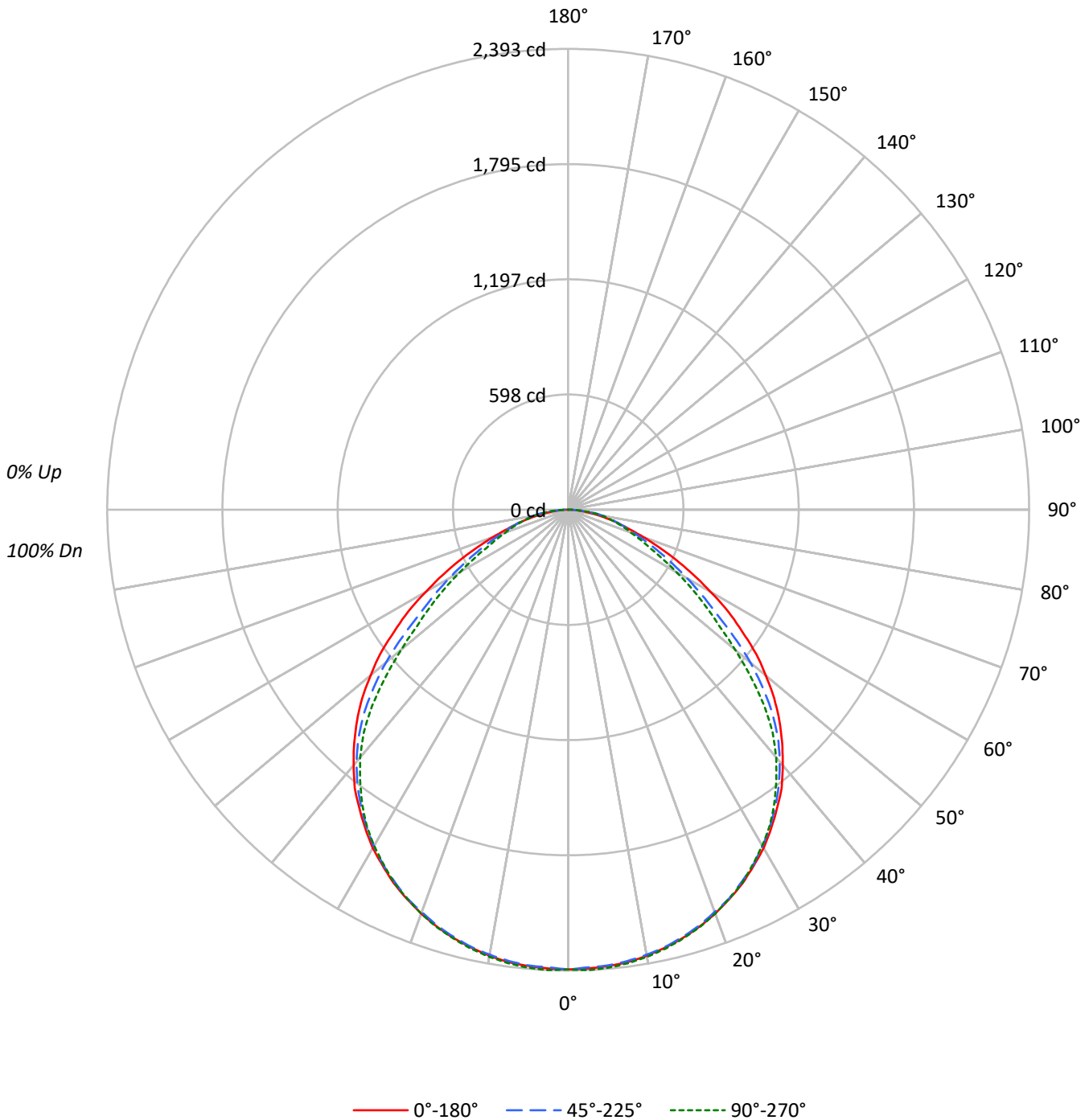
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5953.0 lumens
Efficiency: N/A
Efficacy: 119.5 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	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	93	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73					73			
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62					62			
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47					47			
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42					42			
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37					37			
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33					33			
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30					30			
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7158	7158	7158
5°	7158	7149	7185
10°	7161	7143	7179
15°	7146	7128	7155
20°	7121	7092	7121
25°	7081	7052	7072
30°	7024	6984	6974
35°	6921	6868	6825
40°	6780	6689	6574
45°	6574	6362	6101
50°	6246	5766	5273
55°	5756	4896	4543
60°	5124	4279	3891
65°	4395	3708	3312
70°	3629	3269	3037
75°	3062	3130	2960
80°	2586	3194	3042
85°	2019	3234	2828



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.4	3.8
10°-20°	649.5	10.9
20°-30°	983.9	16.5
30°-40°	1172.4	19.7
40°-50°	1146.5	19.3
50°-60°	867.1	14.6
60°-70°	532.8	8.9
70°-80°	283.8	4.8
80°-90°	90.5	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°	1859.8	31.2
0°-40°	3032.2	50.9
0°-60°	5045.9	84.8
0°-90°	5953.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5953.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2387	2387	2387	2387	2387	
5°	2379	2382	2376	2384	2387	226
15°	2302	2305	2296	2305	2305	650
25°	2141	2138	2132	2135	2138	986
35°	1891	1888	1876	1868	1865	1183
45°	1550	1542	1501	1451	1439	1193
55°	1101	1045	937	884	869	986
65°	620	570	523	482	467	617
75°	264	267	270	261	256	283
85°	59	76	94	88	82	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2387.4	2387.4	2387.4	2387.4	2387.4
2.5°	2384.5	2387.4	2378.6	2390.3	2393.3
5°	2378.6	2381.5	2375.6	2384.5	2387.4
7.5°	2369.8	2369.8	2363.9	2372.7	2375.6
10°	2352.1	2352.1	2346.3	2355.1	2358.0
12.5°	2328.7	2328.7	2325.7	2331.6	2334.5
15°	2302.2	2305.2	2296.4	2305.2	2305.2
17.5°	2269.9	2267.0	2264.1	2269.9	2272.9
20°	2231.8	2231.8	2222.9	2228.8	2231.8
22.5°	2187.7	2187.7	2184.8	2187.7	2184.8
25°	2140.7	2137.8	2131.9	2134.8	2137.8
27.5°	2084.9	2084.9	2079.1	2079.1	2076.1
30°	2029.1	2026.2	2017.4	2011.5	2014.4
32.5°	1961.6	1958.7	1949.8	1944.0	1946.9
35°	1891.1	1888.2	1876.4	1867.6	1864.7
37.5°	1820.6	1811.8	1797.1	1785.4	1773.7
40°	1732.5	1723.7	1709.1	1682.6	1679.7
42.5°	1644.4	1635.6	1612.1	1579.8	1571.0
45°	1550.5	1541.7	1500.6	1450.6	1438.9
47.5°	1450.6	1436.0	1371.4	1309.7	1286.2
50°	1339.1	1312.6	1236.3	1157.0	1130.6
52.5°	1230.4	1183.4	1083.6	1013.1	986.7
55°	1101.2	1045.4	936.7	883.9	869.2
57.5°	986.7	910.3	822.2	769.4	757.6
60°	854.5	784.0	713.6	666.6	649.0
62.5°	734.1	672.5	613.7	572.6	552.1
65°	619.6	569.7	522.7	481.6	466.9
67.5°	508.0	481.6	443.4	411.1	402.3
70°	414.0	399.4	372.9	358.3	346.5
72.5°	328.9	334.8	317.1	311.3	302.5
75°	264.3	267.2	270.2	261.3	255.5
77.5°	199.7	214.4	226.1	220.2	214.4
80°	149.8	164.4	185.0	176.2	176.2
82.5°	102.8	120.4	138.0	132.1	129.2
85°	58.7	76.3	94.0	88.1	82.2
87.5°	23.5	38.2	41.1	41.1	38.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)