

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: P738616

Luminaire Tested: **24PT-60-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-60-PW1-L835
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

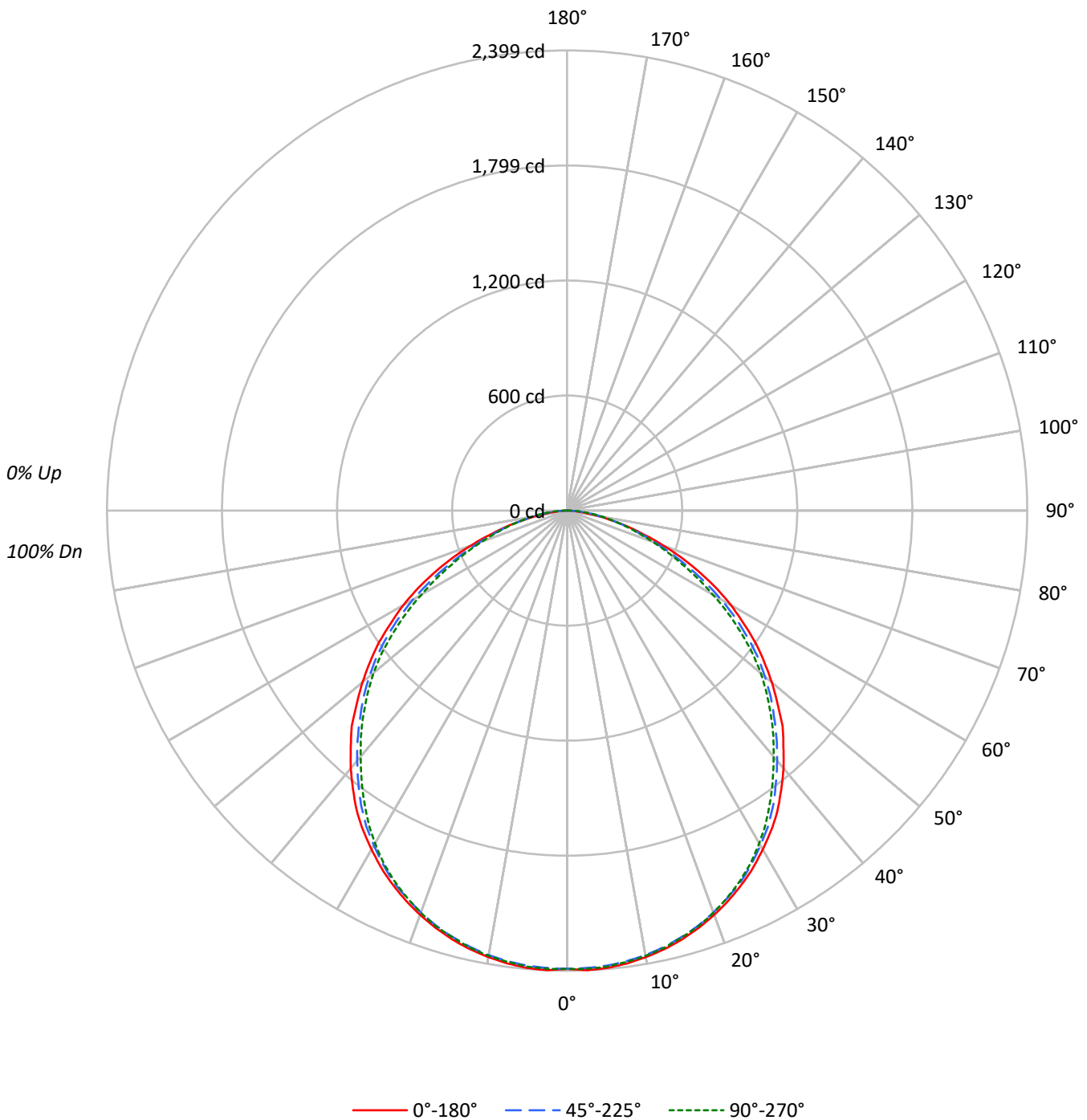
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6370.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 50.7
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	109	105	101	97	107	103	99	95	98	95	92		94	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3425	3425	3425
5°	3444	3428	3435
10°	3442	3426	3432
15°	3436	3417	3421
20°	3422	3402	3404
25°	3404	3384	3371
30°	3377	3338	3317
35°	3346	3279	3233
40°	3285	3188	3135
45°	3220	3095	3045
50°	3106	3001	2938
55°	2992	2864	2761
60°	2828	2654	2517
65°	2589	2364	2243
70°	2244	2050	1975
75°	1837	1768	1745
80°	1340	1511	1557
85°	898	1262	1341



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.6	3.6
10°-20°	650.5	10.2
20°-30°	984.4	15.5
30°-40°	1171.4	18.4
40°-50°	1183.2	18.6
50°-60°	1023.8	16.1
60°-70°	699.4	11.0
70°-80°	344.7	5.4
80°-90°	86.1	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°	1861.5	29.2
0°-40°	3032.8	47.6
0°-60°	5239.8	82.3
0°-90°	6370.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6370.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2389	2389	2389	2389	2389	
5°	2393	2384	2381	2379	2386	227
15°	2314	2307	2302	2301	2305	653
25°	2151	2143	2139	2131	2131	991
35°	1912	1896	1873	1852	1847	1193
45°	1588	1561	1526	1509	1502	1219
55°	1197	1180	1146	1122	1104	1066
65°	763	734	697	674	661	754
75°	332	322	319	317	315	354
85°	55	68	77	79	82	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2389.0	2389.0	2389.0	2389.0	2389.0
2.5°	2398.7	2389.7	2386.9	2384.9	2391.1
5°	2393.1	2384.2	2381.4	2379.3	2386.2
7.5°	2381.4	2372.4	2369.7	2367.6	2373.1
10°	2364.1	2355.8	2353.1	2351.0	2357.2
12.5°	2342.0	2334.4	2331.0	2328.2	2335.1
15°	2314.4	2306.8	2302.0	2300.6	2304.7
17.5°	2281.3	2273.7	2270.2	2268.1	2273.0
20°	2242.6	2234.3	2229.5	2226.7	2230.8
22.5°	2199.8	2191.5	2185.3	2182.5	2183.9
25°	2151.4	2143.1	2139.0	2130.7	2130.7
27.5°	2099.6	2089.9	2079.6	2070.6	2071.3
30°	2039.5	2028.5	2016.0	2004.3	2003.6
32.5°	1978.7	1964.9	1949.7	1933.9	1929.0
35°	1911.7	1895.9	1873.1	1852.4	1846.8
37.5°	1833.0	1818.5	1788.1	1770.9	1761.9
40°	1755.0	1734.2	1703.2	1683.1	1674.9
42.5°	1669.3	1649.3	1616.1	1597.5	1590.6
45°	1587.8	1560.9	1526.4	1509.1	1501.5
47.5°	1486.3	1464.2	1440.0	1420.0	1410.3
50°	1392.4	1374.4	1345.4	1323.3	1317.1
52.5°	1294.3	1279.1	1251.5	1222.5	1215.6
55°	1196.9	1180.3	1145.8	1121.6	1104.4
57.5°	1087.1	1072.6	1040.1	1009.1	993.9
60°	986.3	961.4	925.5	891.6	877.8
62.5°	876.4	852.3	810.8	776.3	768.7
65°	763.2	734.2	696.9	674.1	661.0
67.5°	648.5	620.2	589.1	574.6	566.3
70°	535.3	512.5	489.0	478.6	471.0
72.5°	426.1	413.0	399.9	395.7	388.8
75°	331.5	321.8	319.1	317.0	314.9
77.5°	239.0	243.8	246.6	249.3	246.6
80°	162.3	172.7	183.0	188.6	188.6
82.5°	100.1	118.1	127.1	132.6	131.9
85°	54.6	67.7	76.7	79.4	81.5
87.5°	22.1	27.6	31.1	33.8	35.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)