

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: P738273

Luminaire Tested: **22PT-60-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PB1-L840
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

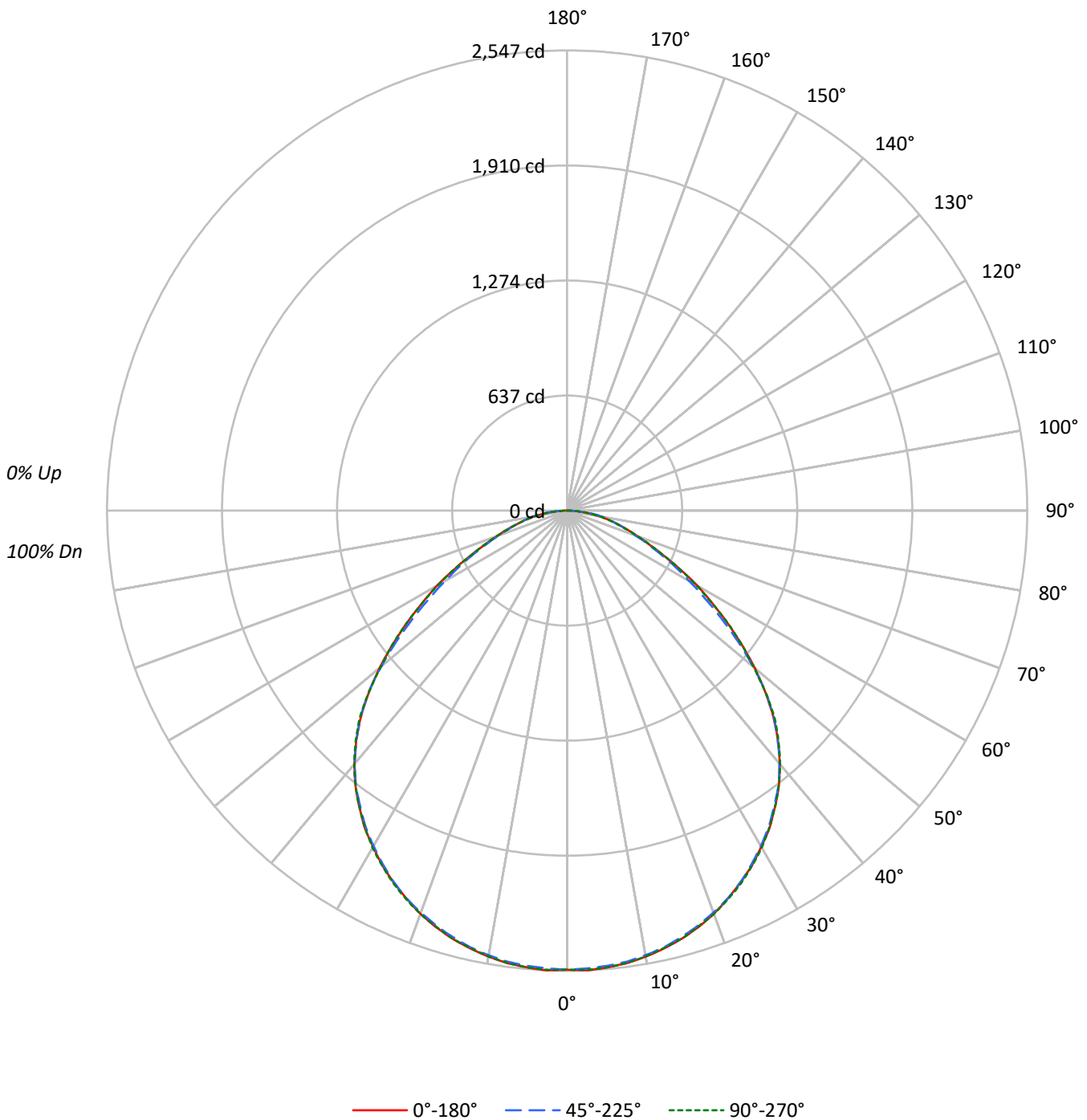
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6407.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (Ain): 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	92	90	91	89	88					86				
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	81	73	68	78	72	67	75	70	65	72	68	64					62				
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49					47				
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43					41				
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39					37				
8	63	49	41	36	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	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7446	7446	7446
5°	7465	7441	7465
10°	7459	7435	7456
15°	7442	7414	7439
20°	7405	7382	7408
25°	7344	7337	7360
30°	7269	7252	7290
35°	7172	7146	7172
40°	7005	6990	7013
45°	6690	6703	6729
50°	6178	6126	6136
55°	5520	5335	5541
60°	4873	4576	4843
65°	4082	3953	4082
70°	3540	3442	3558
75°	3228	3274	3228
80°	3032	3294	3051
85°	2639	3231	2710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	3.8
10°-20°	691.0	10.8
20°-30°	1046.3	16.3
30°-40°	1251.4	19.5
40°-50°	1239.1	19.3
50°-60°	952.7	14.9
60°-70°	580.1	9.1
70°-80°	307.1	4.8
80°-90°	98.3	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°	1978.3	30.9
0°-40°	3229.7	50.4
0°-60°	5421.5	84.6
0°-90°	6407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2541	2541	2541	2541	2541	
5°	2538	2537	2530	2534	2538	241
15°	2453	2449	2444	2449	2452	692
25°	2272	2270	2270	2273	2277	1047
35°	2005	2003	1998	2004	2005	1253
45°	1615	1616	1618	1619	1624	1239
55°	1080	1066	1044	1063	1085	969
65°	589	574	570	569	589	595
75°	285	285	289	287	285	306
85°	78	90	96	91	81	90
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2541.2	2541.2	2541.2	2541.2	2541.2
2.5°	2547.4	2543.2	2536.0	2541.2	2544.3
5°	2538.1	2537.0	2529.8	2533.9	2538.1
7.5°	2526.7	2523.6	2518.4	2522.6	2525.7
10°	2507.1	2505.0	2498.8	2504.0	2506.0
12.5°	2482.3	2480.2	2476.1	2480.2	2479.2
15°	2453.4	2449.2	2444.1	2449.2	2452.3
17.5°	2417.2	2413.1	2408.9	2412.0	2414.1
20°	2374.8	2368.6	2367.6	2371.7	2375.9
22.5°	2324.2	2324.2	2323.2	2326.3	2328.4
25°	2271.5	2269.5	2269.5	2272.6	2276.7
27.5°	2214.7	2210.6	2208.5	2213.7	2216.8
30°	2148.6	2147.6	2143.5	2151.7	2154.8
32.5°	2084.6	2074.2	2076.3	2080.4	2081.5
35°	2005.0	2003.0	1997.8	2004.0	2005.0
37.5°	1924.5	1923.4	1920.3	1922.4	1923.4
40°	1831.5	1830.5	1827.4	1831.5	1833.6
42.5°	1728.2	1726.1	1726.1	1729.2	1732.3
45°	1614.6	1615.6	1617.7	1618.7	1623.9
47.5°	1487.5	1489.6	1491.6	1489.6	1490.6
50°	1355.3	1354.3	1343.9	1351.2	1346.0
52.5°	1215.8	1200.3	1192.1	1208.6	1220.0
55°	1080.5	1066.0	1044.4	1062.9	1084.6
57.5°	950.4	925.6	902.8	924.5	946.2
60°	831.6	793.3	780.9	794.4	826.4
62.5°	704.5	677.6	673.5	675.6	703.5
65°	588.8	574.3	570.2	569.2	588.8
67.5°	493.8	484.5	479.3	483.4	495.8
70°	413.2	409.1	401.8	409.1	415.3
72.5°	347.1	346.1	339.9	346.1	344.0
75°	285.1	285.1	289.2	287.2	285.1
77.5°	232.4	234.5	241.7	235.5	229.3
80°	179.7	184.9	195.2	185.9	180.8
82.5°	128.1	139.5	150.8	139.5	132.2
85°	78.5	89.9	96.1	90.9	80.6
87.5°	34.1	40.3	42.4	39.3	34.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)