

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: P737996

Luminaire Tested: **14PT-80-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PC3-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

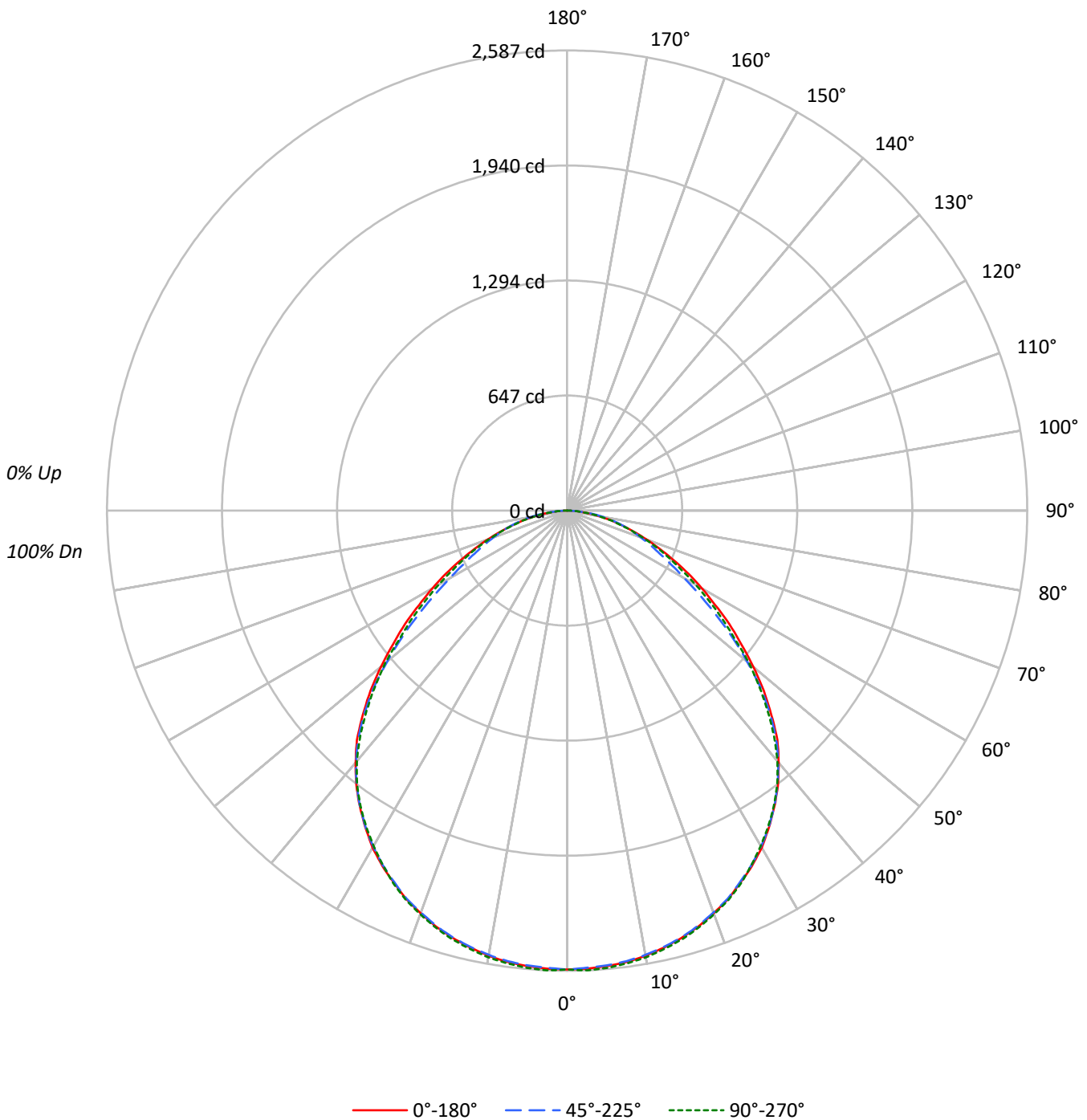
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6504.0 lumens
Efficiency: N/A
Efficacy: 91.6 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): 71
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	92	90	91	89	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7735	7735	7735
5°	7737	7723	7767
10°	7736	7722	7764
15°	7719	7710	7744
20°	7684	7672	7704
25°	7631	7619	7649
30°	7574	7548	7535
35°	7437	7430	7416
40°	7241	7230	7197
45°	6886	6835	6764
50°	6374	6159	6228
55°	5817	5344	5585
60°	5245	4559	5001
65°	4687	4078	4497
70°	4158	3858	4045
75°	3677	3742	3603
80°	3170	3569	3154
85°	2380	2824	2380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.7	3.8
10°-20°	702.3	10.8
20°-30°	1063.4	16.3
30°-40°	1267.8	19.5
40°-50°	1238.8	19.0
50°-60°	947.2	14.6
60°-70°	608.1	9.3
70°-80°	338.3	5.2
80°-90°	93.4	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°	2010.4	30.9
0°-40°	3278.2	50.4
0°-60°	5464.1	84.0
0°-90°	6504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6504.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2580	2580	2580	2580	2580	
5°	2571	2573	2566	2578	2581	244
15°	2487	2489	2484	2492	2495	702
25°	2307	2310	2303	2310	2312	1064
35°	2032	2034	2030	2029	2026	1269
45°	1624	1628	1612	1608	1595	1250
55°	1113	1074	1022	1035	1068	995
65°	661	610	575	594	634	659
75°	317	320	323	318	311	339
85°	69	81	82	79	69	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2580.0	2580.0	2580.0	2580.0	2580.0
2.5°	2578.1	2579.0	2572.6	2583.6	2587.3
5°	2570.7	2572.6	2566.1	2578.1	2580.9
7.5°	2559.7	2561.5	2555.0	2567.0	2568.0
10°	2541.2	2542.1	2536.6	2548.6	2550.4
12.5°	2516.3	2519.1	2512.6	2523.7	2524.6
15°	2486.8	2488.6	2484.0	2492.3	2495.1
17.5°	2451.7	2452.6	2448.0	2457.2	2458.2
20°	2408.3	2408.3	2404.6	2414.8	2414.8
22.5°	2364.0	2361.3	2360.3	2364.0	2369.6
25°	2306.8	2309.6	2303.1	2310.5	2312.4
27.5°	2251.5	2251.5	2245.9	2249.6	2245.0
30°	2187.8	2184.1	2180.4	2181.3	2176.7
32.5°	2111.2	2111.2	2109.4	2109.4	2103.8
35°	2031.9	2033.7	2030.0	2029.1	2026.3
37.5°	1947.0	1949.7	1943.3	1941.4	1939.6
40°	1850.1	1850.1	1847.3	1843.6	1839.0
42.5°	1749.5	1749.5	1737.5	1728.3	1721.8
45°	1624.0	1627.7	1612.0	1608.3	1595.4
47.5°	1499.4	1496.7	1475.4	1472.7	1465.3
50°	1366.6	1350.9	1320.4	1328.7	1335.2
52.5°	1233.7	1214.3	1170.0	1179.2	1190.3
55°	1112.8	1074.1	1022.4	1035.3	1068.5
57.5°	986.4	934.7	883.1	907.0	948.6
60°	874.7	816.6	760.3	786.2	834.1
62.5°	767.7	705.9	660.7	685.6	726.2
65°	660.7	609.9	574.9	594.2	633.9
67.5°	562.9	528.7	504.7	514.0	546.3
70°	474.3	453.1	440.1	442.9	461.4
72.5°	390.3	384.8	380.2	380.2	382.0
75°	317.4	320.2	323.0	318.3	311.0
77.5°	250.1	259.3	265.7	256.5	247.3
80°	183.6	198.4	206.7	196.5	182.7
82.5°	125.5	142.1	144.9	138.4	122.7
85°	69.2	81.2	82.1	79.4	69.2
87.5°	25.8	30.5	33.2	30.5	26.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)