

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: P737948

Luminaire Tested: **14PT-70-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737948
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-70-PC3-L935
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

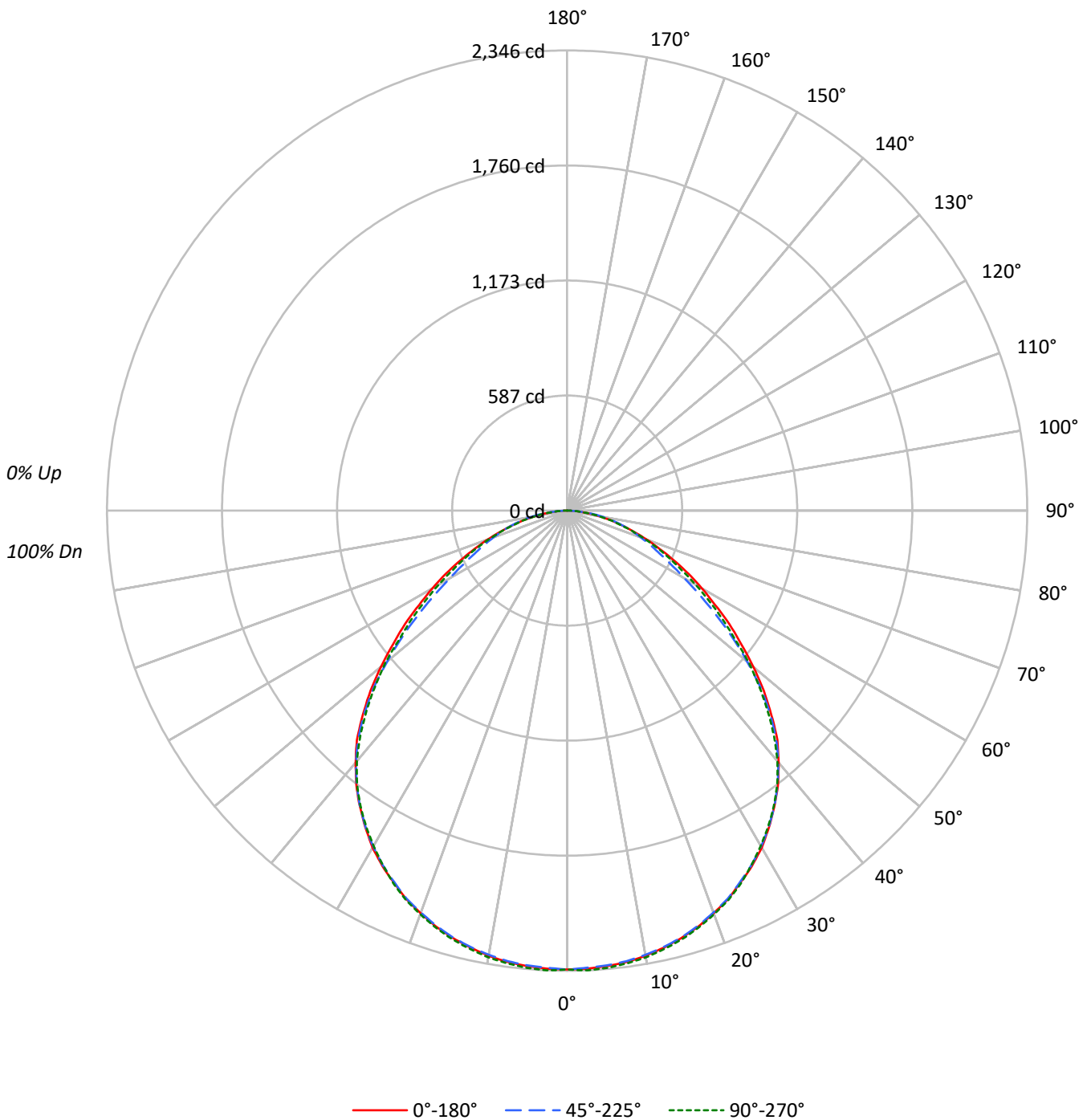
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5898.0 lumens
Efficiency: N/A
Efficacy: 94.1 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): 62.7
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	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				
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75					72				
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7014	7014	7014
5°	7016	7003	7043
10°	7015	7003	7041
15°	6999	6991	7023
20°	6968	6957	6987
25°	6920	6909	6937
30°	6868	6845	6833
35°	6743	6738	6725
40°	6566	6556	6527
45°	6244	6198	6134
50°	5780	5585	5647
55°	5275	4846	5065
60°	4756	4134	4535
65°	4250	3698	4078
70°	3770	3498	3668
75°	3334	3393	3267
80°	2875	3236	2861
85°	2160	2563	2160



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.9	3.8
10°-20°	636.9	10.8
20°-30°	964.3	16.3
30°-40°	1149.7	19.5
40°-50°	1123.3	19.0
50°-60°	858.9	14.6
60°-70°	551.5	9.3
70°-80°	306.8	5.2
80°-90°	84.7	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°	1823.1	30.9
0°-40°	2972.7	50.4
0°-60°	4955.0	84.0
0°-90°	5898.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5898.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2340	2340	2340	2340	2340	
5°	2331	2333	2327	2338	2340	222
15°	2255	2257	2252	2260	2263	636
25°	2092	2094	2088	2095	2097	965
35°	1842	1844	1841	1840	1838	1151
45°	1473	1476	1462	1458	1447	1133
55°	1009	974	927	939	969	902
65°	599	553	521	539	575	598
75°	288	290	293	289	282	308
85°	63	74	74	72	63	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2339.6	2339.6	2339.6	2339.6	2339.6
2.5°	2337.9	2338.7	2332.9	2342.9	2346.3
5°	2331.2	2332.9	2327.0	2337.9	2340.4
7.5°	2321.2	2322.8	2317.0	2327.9	2328.7
10°	2304.4	2305.3	2300.2	2311.1	2312.8
12.5°	2281.8	2284.3	2278.5	2288.5	2289.4
15°	2255.1	2256.7	2252.5	2260.1	2262.6
17.5°	2223.3	2224.1	2219.9	2228.3	2229.1
20°	2183.9	2183.9	2180.6	2189.8	2189.8
22.5°	2143.8	2141.3	2140.4	2143.8	2148.8
25°	2091.9	2094.4	2088.5	2095.2	2096.9
27.5°	2041.7	2041.7	2036.7	2040.0	2035.8
30°	1983.9	1980.6	1977.3	1978.1	1973.9
32.5°	1914.5	1914.5	1912.8	1912.8	1907.8
35°	1842.5	1844.2	1840.9	1840.0	1837.5
37.5°	1765.6	1768.1	1762.2	1760.5	1758.9
40°	1677.7	1677.7	1675.2	1671.8	1667.7
42.5°	1586.5	1586.5	1575.6	1567.2	1561.4
45°	1472.7	1476.0	1461.8	1458.5	1446.8
47.5°	1359.7	1357.2	1338.0	1335.5	1328.8
50°	1239.2	1225.0	1197.4	1204.9	1210.8
52.5°	1118.7	1101.2	1061.0	1069.4	1079.4
55°	1009.1	974.0	927.1	938.8	969.0
57.5°	894.5	847.6	800.8	822.5	860.2
60°	793.2	740.5	689.5	712.9	756.4
62.5°	696.2	640.1	599.1	621.7	658.5
65°	599.1	553.1	521.3	538.9	574.9
67.5°	510.4	479.5	457.7	466.1	495.4
70°	430.1	410.8	399.1	401.6	418.4
72.5°	353.9	348.9	344.7	344.7	346.4
75°	287.8	290.4	292.9	288.7	282.0
77.5°	226.8	235.1	241.0	232.6	224.3
80°	166.5	179.9	187.4	178.2	165.7
82.5°	113.8	128.9	131.4	125.5	111.3
85°	62.8	73.6	74.5	72.0	62.8
87.5°	23.4	27.6	30.1	27.6	24.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)