

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: P737976

Luminaire Tested: **14PT-70-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-70-PW1-L835
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

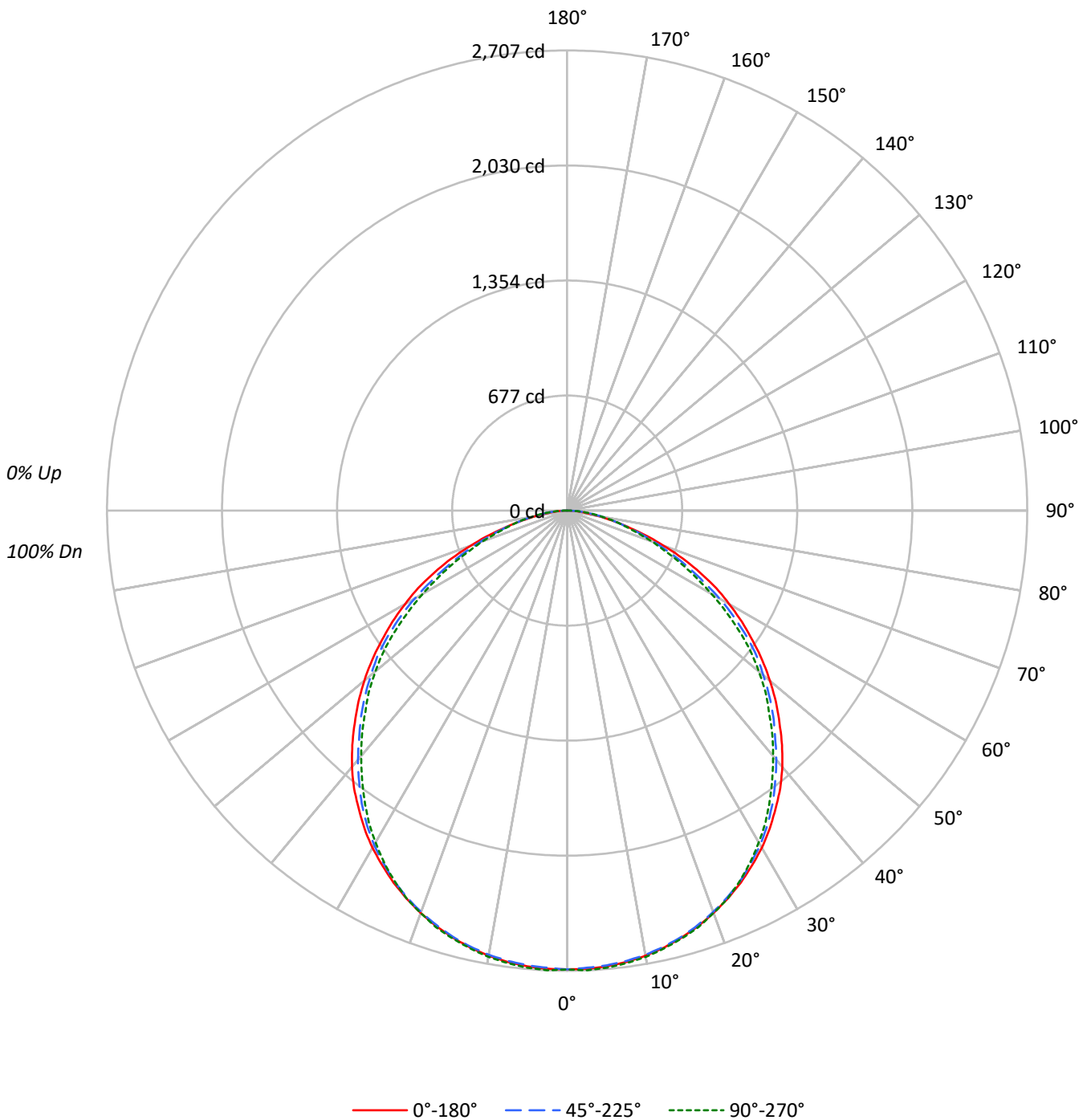
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7162.0 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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	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	57	68	61	56		66	60	55		64	59	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	62	48	40	34	60	47	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8091	8091	8091
5°	8098	8080	8122
10°	8095	8076	8116
15°	8070	8057	8088
20°	8037	8017	8037
25°	7992	7959	7952
30°	7931	7862	7806
35°	7825	7708	7609
40°	7706	7494	7377
45°	7492	7271	7123
50°	7266	7028	6865
55°	6962	6727	6460
60°	6601	6212	5888
65°	6108	5548	5271
70°	5295	4830	4646
75°	4228	4135	4020
80°	3211	3591	3591
85°	2374	3062	3062



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	255.9	3.6
10°-20°	734.1	10.2
20°-30°	1109.4	15.5
30°-40°	1317.4	18.4
40°-50°	1327.2	18.5
50°-60°	1147.2	16.0
60°-70°	784.1	10.9
70°-80°	386.7	5.4
80°-90°	100.0	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°	2099.5	29.3
0°-40°	3416.8	47.7
0°-60°	5891.2	82.3
0°-90°	7162.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7162.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2699	2699	2699	2699	2699	
5°	2691	2692	2685	2696	2699	256
15°	2600	2603	2596	2605	2606	734
25°	2416	2414	2406	2408	2404	1113
35°	2138	2131	2106	2087	2079	1338
45°	1767	1748	1715	1695	1680	1364
55°	1332	1328	1287	1249	1236	1191
65°	861	830	782	748	743	850
75°	365	362	357	357	347	398
85°	69	81	89	91	89	85
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2698.9	2698.9	2698.9	2698.9	2698.9
2.5°	2697.9	2698.9	2691.9	2703.9	2706.9
5°	2690.9	2691.9	2684.9	2695.9	2698.9
7.5°	2677.9	2679.9	2671.9	2682.9	2684.9
10°	2658.9	2659.9	2652.9	2663.9	2665.9
12.5°	2632.9	2633.9	2627.9	2637.9	2637.9
15°	2599.9	2602.9	2595.9	2604.9	2605.9
17.5°	2562.9	2563.9	2556.9	2566.9	2568.9
20°	2518.9	2518.9	2512.9	2520.9	2518.9
22.5°	2469.9	2469.9	2462.9	2466.9	2468.9
25°	2415.9	2413.9	2405.9	2407.9	2403.9
27.5°	2353.9	2353.9	2339.9	2339.9	2332.9
30°	2290.9	2285.9	2270.9	2261.9	2254.9
32.5°	2218.9	2211.9	2192.9	2176.9	2171.9
35°	2137.9	2130.9	2105.9	2086.9	2078.9
37.5°	2059.9	2043.9	2010.9	1991.9	1982.9
40°	1968.9	1948.9	1914.9	1888.9	1884.9
42.5°	1870.9	1854.9	1810.9	1791.9	1786.9
45°	1766.9	1747.9	1714.9	1694.9	1679.9
47.5°	1664.9	1650.9	1612.9	1588.9	1583.9
50°	1557.9	1545.9	1506.9	1480.9	1471.9
52.5°	1446.9	1438.9	1405.9	1372.9	1361.9
55°	1331.9	1327.9	1286.9	1248.9	1235.9
57.5°	1218.9	1213.9	1162.9	1118.9	1106.9
60°	1100.9	1085.9	1036.0	995.0	982.0
62.5°	989.0	957.0	903.0	871.0	856.0
65°	861.0	830.0	782.0	748.0	743.0
67.5°	735.0	698.0	661.0	640.0	624.0
70°	604.0	579.0	551.0	533.0	530.0
72.5°	482.0	464.0	450.0	439.0	430.0
75°	365.0	362.0	357.0	357.0	347.0
77.5°	268.0	275.0	279.0	278.0	280.0
80°	186.0	200.0	208.0	209.0	208.0
82.5°	118.0	134.0	147.0	149.0	151.0
85°	69.0	81.0	89.0	91.0	89.0
87.5°	31.0	39.0	41.0	43.0	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)