

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: P737988

Luminaire Tested: **14PT-80-PB1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PB1-L935
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

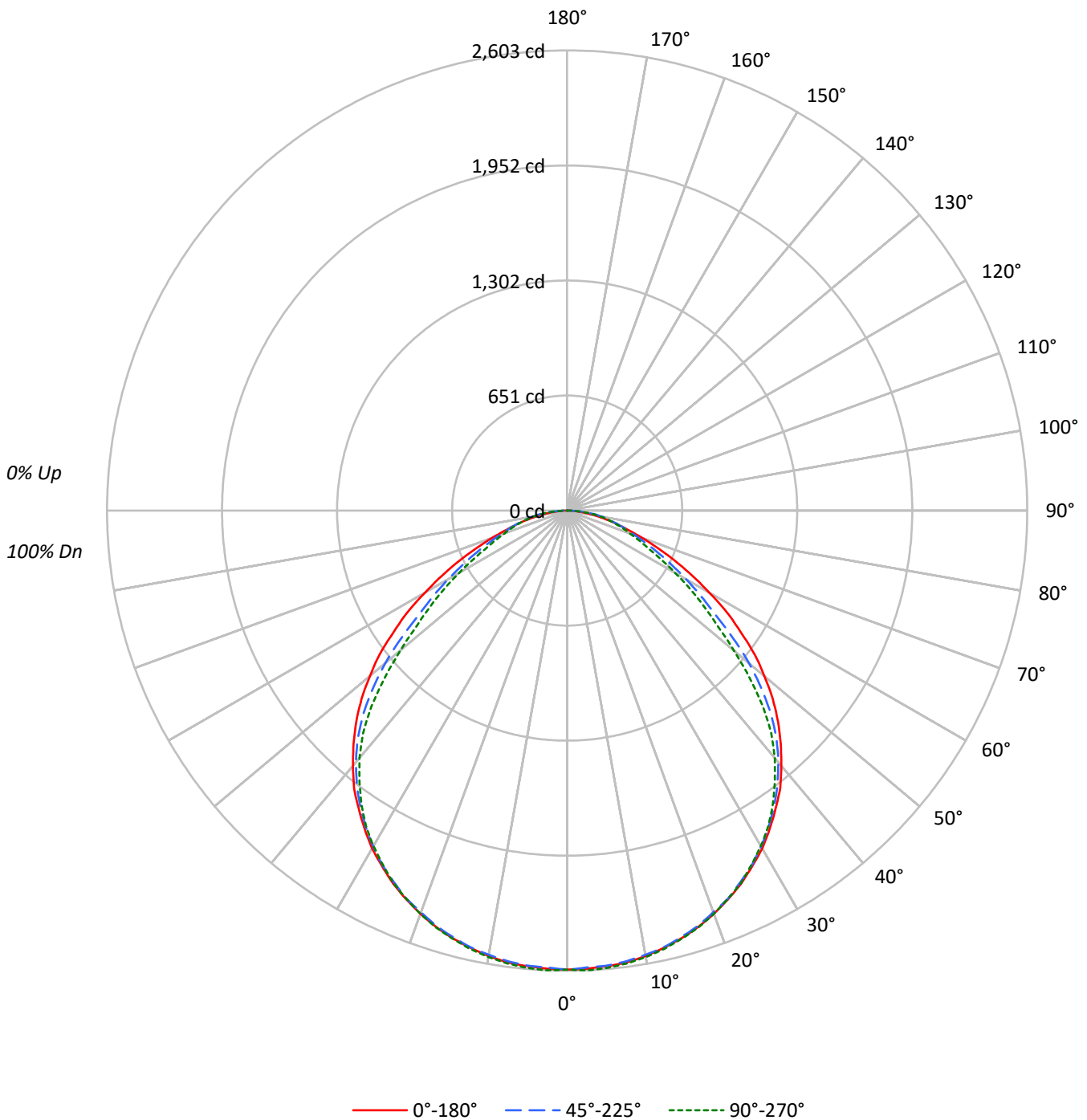
Lumens per Lamp: N/A
Luminaire Lumens: 6475.0 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

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	93	90	91	89	88					86				
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75					73				
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64					62				
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56					54				
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49					47				
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44					42				
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39					37				
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35					33				
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32					30				
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29					27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7785	7785	7785
5°	7786	7777	7815
10°	7789	7769	7808
15°	7772	7752	7782
20°	7745	7714	7745
25°	7702	7671	7692
30°	7641	7596	7585
35°	7528	7470	7423
40°	7375	7275	7150
45°	7150	6920	6636
50°	6793	6272	5736
55°	6261	5326	4942
60°	5573	4654	4233
65°	4781	4033	3602
70°	3948	3555	3304
75°	3330	3403	3219
80°	2813	3474	3308
85°	2198	3516	3075



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	3.8
10°-20°	706.5	10.9
20°-30°	1070.2	16.5
30°-40°	1275.2	19.7
40°-50°	1247.0	19.3
50°-60°	943.2	14.6
60°-70°	579.5	8.9
70°-80°	308.7	4.8
80°-90°	98.5	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°	2022.9	31.2
0°-40°	3298.1	50.9
0°-60°	5488.3	84.8
0°-90°	6475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6475.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2597	2597	2597	2597	2597	
5°	2587	2590	2584	2594	2597	246
15°	2504	2507	2498	2507	2507	707
25°	2328	2325	2319	2322	2325	1072
35°	2057	2054	2041	2031	2028	1287
45°	1686	1677	1632	1578	1565	1297
55°	1198	1137	1019	961	945	1073
65°	674	620	568	524	508	671
75°	288	291	294	284	278	308
85°	64	83	102	96	89	77
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2596.7	2596.7	2596.7	2596.7	2596.7
2.5°	2593.5	2596.7	2587.1	2599.9	2603.1
5°	2587.1	2590.3	2584.0	2593.5	2596.7
7.5°	2577.6	2577.6	2571.2	2580.8	2584.0
10°	2558.4	2558.4	2552.0	2561.6	2564.8
12.5°	2532.8	2532.8	2529.7	2536.0	2539.2
15°	2504.1	2507.3	2497.7	2507.3	2507.3
17.5°	2469.0	2465.8	2462.6	2469.0	2472.2
20°	2427.4	2427.4	2417.9	2424.3	2427.4
22.5°	2379.5	2379.5	2376.3	2379.5	2376.3
25°	2328.4	2325.2	2318.9	2322.0	2325.2
27.5°	2267.7	2267.7	2261.4	2261.4	2258.2
30°	2207.1	2203.9	2194.3	2187.9	2191.1
32.5°	2133.6	2130.4	2120.8	2114.4	2117.6
35°	2056.9	2053.7	2041.0	2031.4	2028.2
37.5°	1980.3	1970.7	1954.7	1942.0	1929.2
40°	1884.5	1874.9	1858.9	1830.2	1827.0
42.5°	1788.6	1779.1	1753.5	1718.4	1708.8
45°	1686.4	1676.9	1632.1	1577.8	1565.1
47.5°	1577.8	1561.9	1491.6	1424.5	1399.0
50°	1456.5	1427.7	1344.7	1258.4	1229.7
52.5°	1338.3	1287.2	1178.6	1101.9	1073.2
55°	1197.8	1137.1	1018.9	961.4	945.4
57.5°	1073.2	990.1	894.3	836.8	824.1
60°	929.5	852.8	776.1	725.0	705.9
62.5°	798.5	731.4	667.5	622.8	600.5
65°	673.9	619.6	568.5	523.8	507.8
67.5°	552.6	523.8	482.3	447.2	437.6
70°	450.4	434.4	405.6	389.7	376.9
72.5°	357.7	364.1	345.0	338.6	329.0
75°	287.5	290.7	293.8	284.3	277.9
77.5°	217.2	233.2	245.9	239.6	233.2
80°	162.9	178.9	201.2	191.6	191.6
82.5°	111.8	131.0	150.1	143.7	140.5
85°	63.9	83.0	102.2	95.8	89.4
87.5°	25.6	41.5	44.7	44.7	41.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)