

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: P737921

Luminaire Tested: **14PT-60-PR1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PR1-L840
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

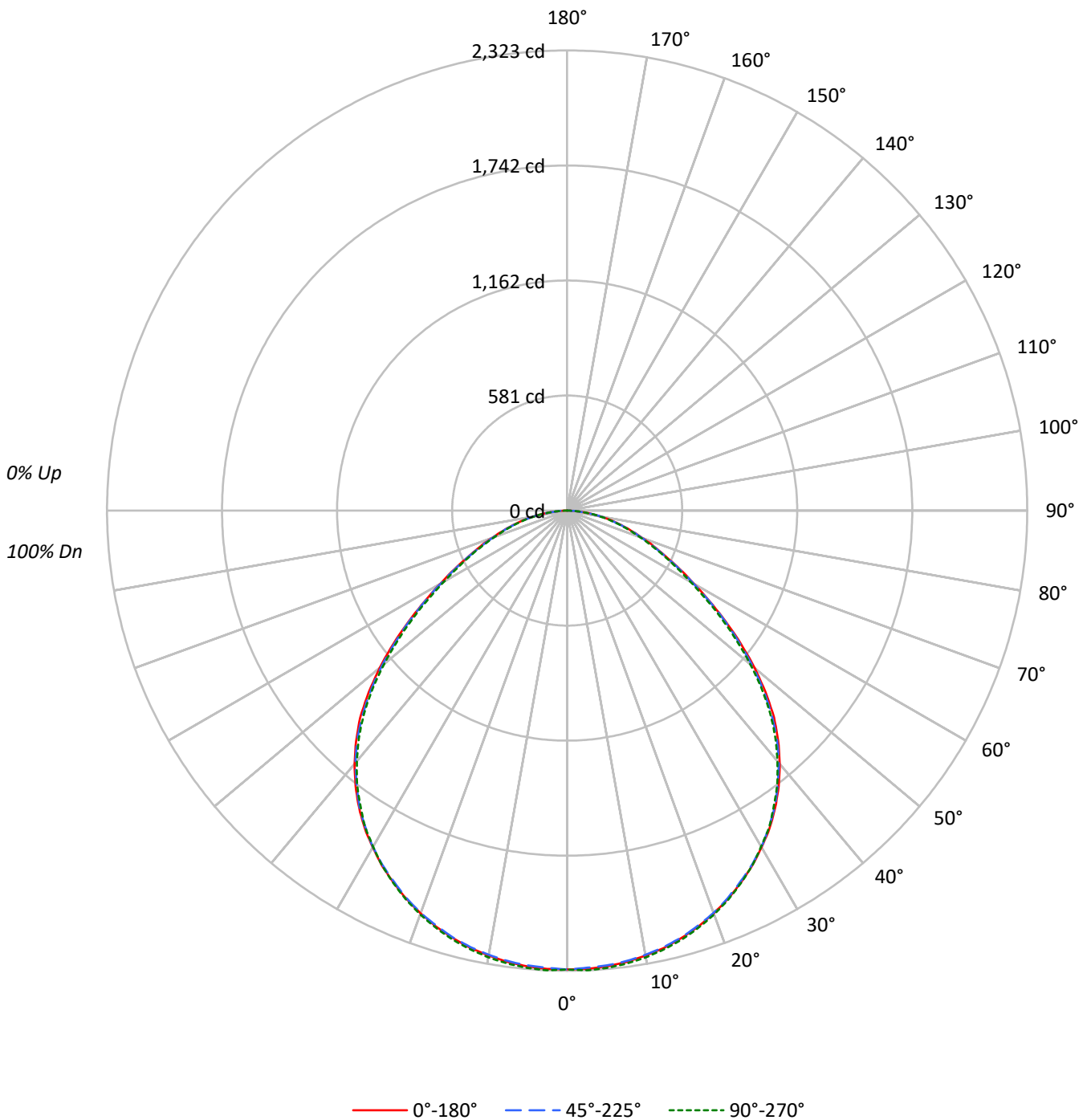
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5858.0 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
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	80	73	68	78	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	45	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		39	33	29		39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6944	6944	6944
5°	6951	6936	6974
10°	6946	6933	6971
15°	6932	6922	6955
20°	6903	6895	6921
25°	6858	6841	6866
30°	6797	6789	6780
35°	6703	6688	6661
40°	6534	6508	6463
45°	6262	6192	6146
50°	5762	5696	5626
55°	5099	5077	4978
60°	4431	4416	4296
65°	3905	3881	3805
70°	3544	3493	3420
75°	3279	3203	3145
80°	2996	2952	2852
85°	2370	2343	2257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.7	3.8
10°-20°	630.7	10.8
20°-30°	955.4	16.3
30°-40°	1140.5	19.5
40°-50°	1121.7	19.1
50°-60°	866.9	14.8
60°-70°	546.6	9.3
70°-80°	295.7	5.0
80°-90°	80.8	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°	1805.8	30.8
0°-40°	2946.3	50.3
0°-60°	4934.9	84.2
0°-90°	5858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2316	2316	2316	2316	2316	
5°	2310	2310	2305	2315	2317	220
15°	2233	2234	2230	2238	2241	630
25°	2073	2075	2068	2075	2076	955
35°	1832	1832	1827	1825	1820	1144
45°	1477	1471	1460	1449	1450	1131
55°	976	984	971	956	952	875
65°	550	551	547	538	536	554
75°	283	280	276	278	272	301
85°	69	70	68	69	66	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2316.3	2316.3	2316.3	2316.3	2316.3
2.5°	2315.5	2316.3	2309.7	2320.5	2323.0
5°	2309.7	2310.5	2304.7	2314.7	2317.2
7.5°	2298.1	2299.7	2293.9	2303.9	2306.4
10°	2281.5	2283.1	2277.3	2287.3	2289.8
12.5°	2260.7	2261.5	2256.6	2265.7	2268.2
15°	2233.3	2234.1	2230.0	2237.5	2240.8
17.5°	2201.8	2202.6	2196.8	2205.9	2207.6
20°	2163.6	2164.4	2161.1	2168.6	2169.4
22.5°	2121.2	2122.9	2117.9	2124.6	2125.4
25°	2073.1	2074.7	2068.1	2074.7	2075.6
27.5°	2022.4	2023.3	2017.5	2022.4	2021.6
30°	1963.5	1968.5	1961.0	1959.3	1958.5
32.5°	1902.0	1902.9	1895.4	1893.7	1897.1
35°	1831.5	1832.3	1827.3	1824.8	1819.9
37.5°	1754.3	1754.3	1745.1	1743.5	1742.6
40°	1669.6	1668.8	1662.9	1657.1	1651.3
42.5°	1577.4	1579.1	1567.5	1557.5	1555.8
45°	1477.0	1471.2	1460.4	1448.7	1449.6
47.5°	1358.3	1359.9	1345.0	1335.8	1333.3
50°	1235.4	1235.4	1221.3	1211.3	1206.3
52.5°	1106.7	1107.5	1094.2	1081.0	1078.5
55°	975.5	983.8	971.4	955.6	952.3
57.5°	852.6	859.3	847.7	831.1	830.2
60°	738.9	739.7	736.4	720.6	716.5
62.5°	641.8	637.6	636.0	627.7	622.7
65°	550.4	551.3	547.1	538.0	536.3
67.5°	476.6	475.7	468.2	462.4	459.1
70°	404.3	401.8	398.5	393.5	390.2
72.5°	339.6	339.6	337.1	335.4	329.6
75°	283.1	279.8	276.5	278.1	271.5
77.5°	229.1	225.8	223.3	220.0	218.3
80°	173.5	170.2	171.0	166.0	165.2
82.5°	120.4	120.4	118.7	114.6	115.4
85°	68.9	69.7	68.1	68.9	65.6
87.5°	24.9	25.7	27.4	25.7	25.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)