

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: P737889

Luminaire Tested: **14PT-60-PB1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737889
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-60-PB1-L840
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

Summary

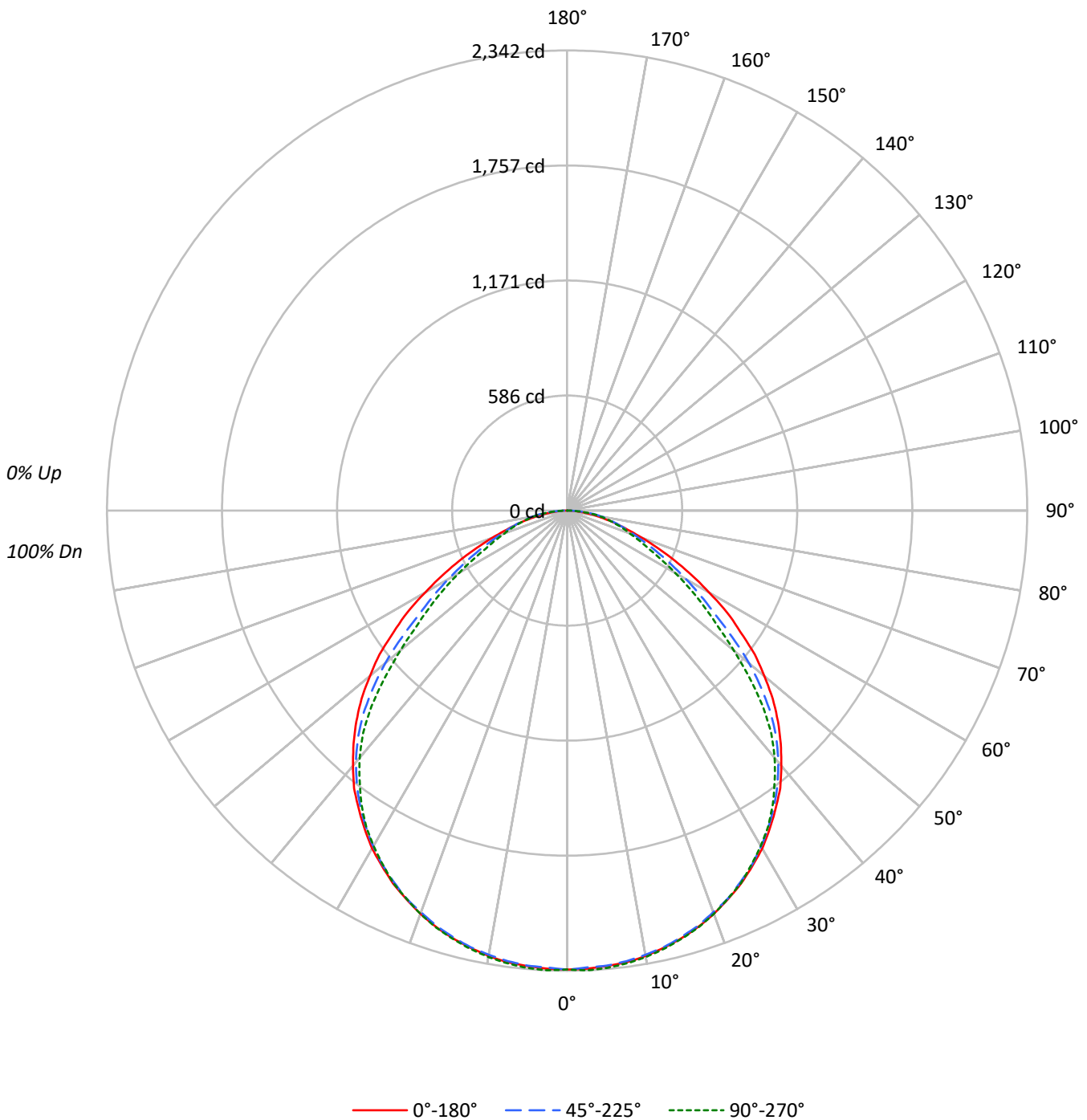
Lumens per Lamp: N/A
Luminaire Lumens: 5825.0 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 49.8
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

TEST NUMBER: P737889

CATALOG NUMBER: 14PT-60-PB1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P737889

CATALOG NUMBER: 14PT-60-PB1-L840

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°	7004	7004	7004
5°	7004	6996	7031
10°	7007	6989	7024
15°	6992	6974	7001
20°	6967	6940	6967
25°	6929	6901	6920
30°	6874	6834	6824
35°	6773	6720	6678
40°	6635	6545	6433
45°	6432	6225	5970
50°	6111	5642	5160
55°	5632	4791	4446
60°	5014	4187	3808
65°	4301	3629	3241
70°	3551	3199	2972
75°	2996	3063	2896
80°	2529	3125	2977
85°	1978	3161	2769



TEST NUMBER: P737889

CATALOG NUMBER: 14PT-60-PB1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.5	3.8
10°-20°	635.6	10.9
20°-30°	962.8	16.5
30°-40°	1147.2	19.7
40°-50°	1121.8	19.3
50°-60°	848.5	14.6
60°-70°	521.3	8.9
70°-80°	277.7	4.8
80°-90°	88.6	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°	1819.8	31.2
0°-40°	2967.0	50.9
0°-60°	4937.4	84.8
0°-90°	5825.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5825.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2336	2336	2336	2336	2336	
5°	2327	2330	2325	2333	2336	221
15°	2253	2256	2247	2256	2256	636
25°	2095	2092	2086	2089	2092	965
35°	1850	1848	1836	1828	1825	1157
45°	1517	1508	1468	1419	1408	1167
55°	1078	1023	917	865	850	965
65°	606	557	512	471	457	603
75°	259	262	264	256	250	277
85°	58	75	92	86	80	69
90°	0	0	0	0	0	



TEST NUMBER: P737889

CATALOG NUMBER: 14PT-60-PB1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2336.1	2336.1	2336.1	2336.1	2336.1
2.5°	2333.2	2336.1	2327.4	2338.9	2341.8
5°	2327.4	2330.3	2324.6	2333.2	2336.1
7.5°	2318.8	2318.8	2313.1	2321.7	2324.6
10°	2301.6	2301.6	2295.8	2304.4	2307.3
12.5°	2278.6	2278.6	2275.7	2281.5	2284.3
15°	2252.7	2255.6	2247.0	2255.6	2255.6
17.5°	2221.1	2218.2	2215.4	2221.1	2224.0
20°	2183.8	2183.8	2175.1	2180.9	2183.8
22.5°	2140.7	2140.7	2137.8	2140.7	2137.8
25°	2094.7	2091.8	2086.1	2088.9	2091.8
27.5°	2040.1	2040.1	2034.3	2034.3	2031.5
30°	1985.5	1982.6	1974.0	1968.3	1971.1
32.5°	1919.4	1916.5	1907.9	1902.2	1905.0
35°	1850.5	1847.6	1836.1	1827.5	1824.6
37.5°	1781.5	1772.9	1758.5	1747.0	1735.5
40°	1695.3	1686.7	1672.3	1646.4	1643.6
42.5°	1609.1	1600.5	1577.5	1545.9	1537.3
45°	1517.1	1508.5	1468.3	1419.4	1408.0
47.5°	1419.4	1405.1	1341.9	1281.5	1258.5
50°	1310.3	1284.4	1209.7	1132.1	1106.2
52.5°	1203.9	1158.0	1060.3	991.3	965.5
55°	1077.5	1022.9	916.6	864.9	850.5
57.5°	965.5	890.7	804.5	752.8	741.3
60°	836.2	767.2	698.2	652.3	635.0
62.5°	718.3	658.0	600.5	560.3	540.2
65°	606.3	557.4	511.5	471.2	456.9
67.5°	497.1	471.2	433.9	402.3	393.7
70°	405.1	390.8	364.9	350.6	339.1
72.5°	321.8	327.6	310.3	304.6	296.0
75°	258.6	261.5	264.4	255.7	250.0
77.5°	195.4	209.8	221.2	215.5	209.8
80°	146.5	160.9	181.0	172.4	172.4
82.5°	100.6	117.8	135.0	129.3	126.4
85°	57.5	74.7	91.9	86.2	80.5
87.5°	23.0	37.4	40.2	40.2	37.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)