

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: P737905

Luminaire Tested: **14PT-60-PL1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737905
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PL1-L840
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

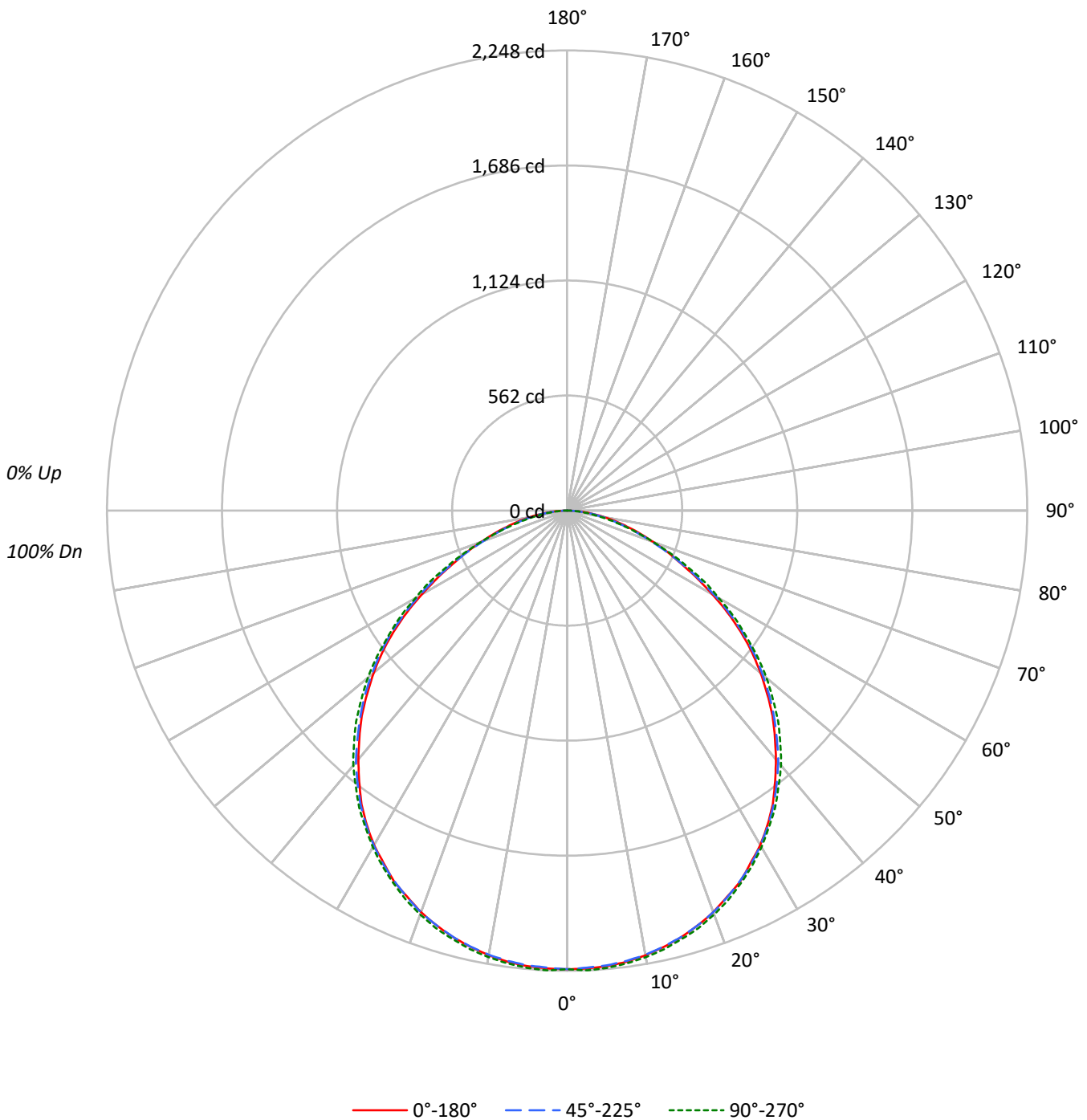
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5906.0 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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: P737905
CATALOG NUMBER: 14PT-60-PL1-L840

Luminous Intensity Polar Plot





TEST NUMBER: P737905

CATALOG NUMBER: 14PT-60-PL1-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	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	96	98	95	93		94	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	75		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28		39	32	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6717	6717	6717
5°	6723	6710	6748
10°	6715	6707	6745
15°	6694	6691	6725
20°	6661	6661	6698
25°	6615	6607	6642
30°	6532	6541	6572
35°	6408	6432	6484
40°	6208	6280	6361
45°	6015	6064	6181
50°	5750	5812	5928
55°	5415	5502	5567
60°	4913	5017	5142
65°	4364	4411	4588
70°	3900	3820	3915
75°	3519	3318	3250
80°	3196	2966	2636
85°	2714	2456	2112



TEST NUMBER: P737905

CATALOG NUMBER: 14PT-60-PL1-L840

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	3.6
10°-20°	609.6	10.3
20°-30°	922.0	15.6
30°-40°	1099.0	18.6
40°-50°	1105.2	18.7
50°-60°	937.9	15.9
60°-70°	624.5	10.6
70°-80°	311.8	5.3
80°-90°	83.4	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°	1744.1	29.5
0°-40°	2843.2	48.1
0°-60°	4886.2	82.7
0°-90°	5906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5906.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2240	2240	2240	2240	2240	
5°	2234	2235	2230	2240	2242	212
15°	2157	2159	2156	2165	2167	609
25°	2000	2000	1997	2006	2008	920
35°	1751	1752	1757	1770	1772	1092
45°	1419	1421	1430	1449	1458	1091
55°	1036	1043	1053	1062	1065	923
65°	615	620	622	631	647	617
75°	304	300	286	280	281	326
85°	79	77	71	67	61	91
90°	0	0	0	0	0	



TEST NUMBER: P737905

CATALOG NUMBER: 14PT-60-PL1-L840

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2240.5	2240.5	2240.5	2240.5	2240.5
2.5°	2238.8	2240.5	2234.7	2245.4	2247.9
5°	2233.8	2234.7	2229.7	2239.6	2242.1
7.5°	2223.0	2223.9	2218.9	2229.7	2231.3
10°	2205.6	2207.3	2203.1	2213.1	2215.6
12.5°	2183.2	2185.7	2181.5	2192.3	2194.0
15°	2156.6	2159.1	2155.8	2164.9	2166.6
17.5°	2124.2	2125.9	2124.2	2132.5	2137.5
20°	2087.7	2087.7	2087.7	2095.2	2099.3
22.5°	2042.1	2046.2	2044.6	2054.5	2058.7
25°	1999.7	1999.7	1997.2	2006.4	2008.0
27.5°	1940.8	1947.4	1946.6	1954.9	1956.6
30°	1886.8	1888.5	1889.3	1895.1	1898.5
32.5°	1821.3	1822.9	1825.4	1833.7	1834.5
35°	1750.7	1752.4	1757.3	1769.8	1771.5
37.5°	1668.5	1677.6	1681.8	1695.1	1696.7
40°	1586.3	1592.1	1604.6	1618.7	1625.4
42.5°	1502.5	1509.1	1516.6	1535.7	1541.5
45°	1418.7	1421.1	1430.3	1449.4	1457.7
47.5°	1325.7	1333.2	1341.5	1358.1	1363.0
50°	1232.7	1241.0	1246.0	1260.9	1270.9
52.5°	1138.9	1146.4	1152.2	1161.3	1171.3
55°	1036.0	1043.4	1052.6	1062.5	1065.0
57.5°	931.4	939.7	945.5	956.3	967.1
60°	819.3	828.4	836.7	846.7	857.5
62.5°	714.7	718.9	727.2	743.8	759.5
65°	615.1	620.1	621.8	630.9	646.7
67.5°	532.1	532.1	524.6	527.9	545.4
70°	444.9	441.6	435.8	432.5	446.6
72.5°	374.4	370.2	357.8	352.0	359.4
75°	303.8	299.7	286.4	279.7	280.6
77.5°	244.1	237.4	226.6	215.0	212.5
80°	185.1	182.6	171.8	161.0	152.7
82.5°	131.2	125.3	119.5	112.9	106.3
85°	78.9	77.2	71.4	67.2	61.4
87.5°	32.4	32.4	30.7	29.1	27.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)