

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: P737929

Luminaire Tested: **14PT-60-PW1-L840**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737929
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-60-PW1-L840
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

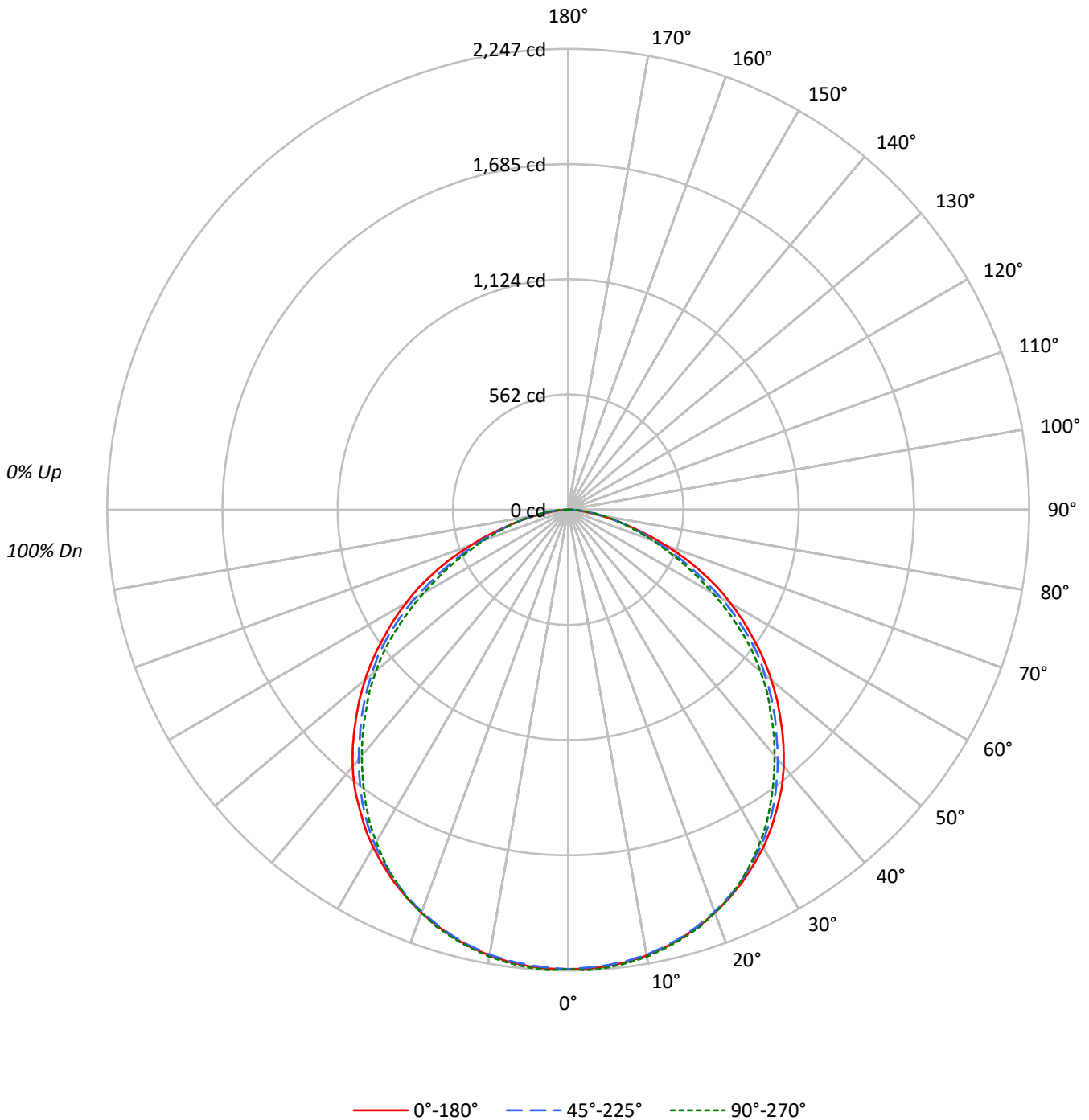
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5945.0 lumens
Efficiency: N/A
Efficacy: 119.4 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): 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

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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	48	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°	6717	6717	6717
5°	6722	6707	6742
10°	6719	6704	6737
15°	6698	6688	6714
20°	6671	6655	6671
25°	6634	6606	6601
30°	6583	6526	6480
35°	6495	6398	6316
40°	6396	6221	6123
45°	6219	6036	5913
50°	6032	5834	5699
55°	5779	5584	5362
60°	5480	5156	4887
65°	5070	4605	4375
70°	4394	4009	3856
75°	3510	3432	3336
80°	2666	2980	2980
85°	1971	2542	2542



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.4	3.6
10°-20°	609.4	10.2
20°-30°	920.9	15.5
30°-40°	1093.5	18.4
40°-50°	1101.7	18.5
50°-60°	952.3	16.0
60°-70°	650.8	10.9
70°-80°	321.0	5.4
80°-90°	83.0	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°	1742.7	29.3
0°-40°	2836.2	47.7
0°-60°	4890.2	82.3
0°-90°	5945.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5945.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2240	2240	2240	2240	2240	
5°	2234	2234	2229	2238	2240	212
15°	2158	2161	2155	2162	2163	609
25°	2005	2004	1997	1999	1995	924
35°	1775	1769	1748	1732	1726	1111
45°	1467	1451	1424	1407	1394	1132
55°	1106	1102	1068	1037	1026	989
65°	715	689	649	621	617	705
75°	303	300	296	296	288	330
85°	57	67	74	76	74	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2240.3	2240.3	2240.3	2240.3	2240.3
2.5°	2239.4	2240.3	2234.5	2244.4	2246.9
5°	2233.6	2234.5	2228.6	2237.8	2240.3
7.5°	2222.8	2224.5	2217.9	2227.0	2228.6
10°	2207.1	2207.9	2202.1	2211.2	2212.9
12.5°	2185.5	2186.3	2181.3	2189.6	2189.6
15°	2158.1	2160.6	2154.8	2162.2	2163.1
17.5°	2127.4	2128.2	2122.4	2130.7	2132.4
20°	2090.9	2090.9	2085.9	2092.5	2090.9
22.5°	2050.2	2050.2	2044.4	2047.7	2049.4
25°	2005.4	2003.7	1997.1	1998.7	1995.4
27.5°	1953.9	1953.9	1942.3	1942.3	1936.5
30°	1901.6	1897.5	1885.0	1877.5	1871.7
32.5°	1841.8	1836.0	1820.3	1807.0	1802.8
35°	1774.6	1768.8	1748.1	1732.3	1725.6
37.5°	1709.9	1696.6	1669.2	1653.4	1646.0
40°	1634.3	1617.7	1589.5	1567.9	1564.6
42.5°	1553.0	1539.7	1503.2	1487.4	1483.3
45°	1466.7	1450.9	1423.5	1406.9	1394.5
47.5°	1382.0	1370.4	1338.8	1318.9	1314.8
50°	1293.2	1283.2	1250.9	1229.3	1221.8
52.5°	1201.1	1194.4	1167.0	1139.6	1130.5
55°	1105.6	1102.3	1068.3	1036.7	1025.9
57.5°	1011.8	1007.7	965.3	928.8	918.8
60°	913.9	901.4	859.9	825.9	815.1
62.5°	820.9	794.3	749.5	723.0	710.5
65°	714.7	688.9	649.1	620.9	616.7
67.5°	610.1	579.4	548.7	531.2	517.9
70°	501.3	480.6	457.3	442.4	439.9
72.5°	400.1	385.1	373.5	364.4	356.9
75°	303.0	300.5	296.3	296.3	288.0
77.5°	222.4	228.3	231.6	230.7	232.4
80°	154.4	166.0	172.6	173.5	172.6
82.5°	97.9	111.2	122.0	123.7	125.3
85°	57.3	67.2	73.9	75.5	73.9
87.5°	25.7	32.4	34.0	35.7	34.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)