

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: P737910

Luminaire Tested: **14PT-60-PL1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737910
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-L950
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

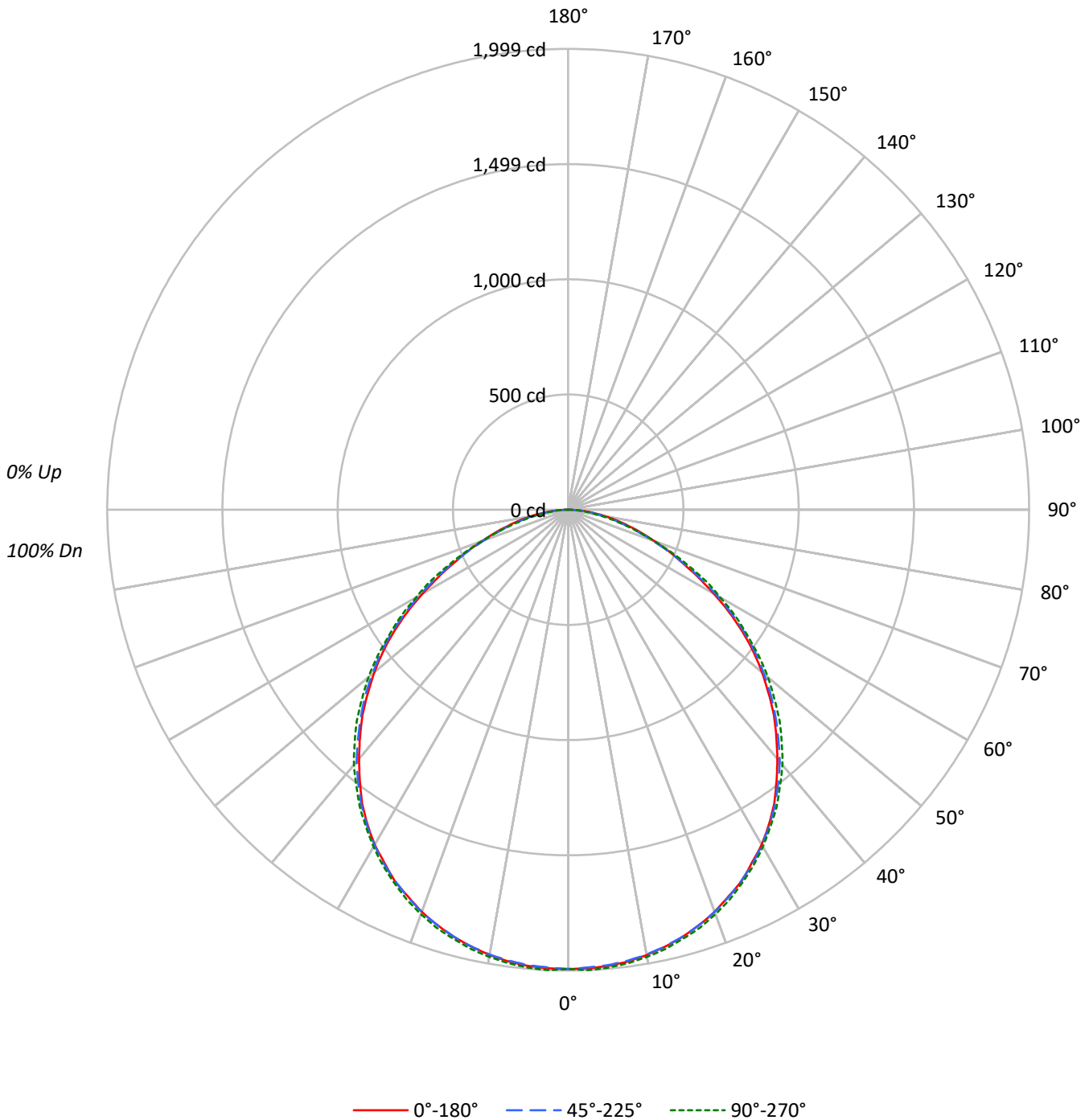
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5252.0 lumens
Efficiency: N/A
Efficacy: 105.5 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

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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	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°	5973	5973	5973
5°	5978	5967	6000
10°	5971	5964	5998
15°	5953	5950	5980
20°	5923	5923	5956
25°	5883	5875	5907
30°	5809	5816	5844
35°	5698	5719	5766
40°	5521	5584	5657
45°	5349	5393	5496
50°	5113	5168	5271
55°	4816	4892	4950
60°	4369	4462	4572
65°	3880	3922	4079
70°	3469	3397	3481
75°	3130	2950	2890
80°	2842	2638	2345
85°	2411	2184	1878



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.0	3.6
10°-20°	542.1	10.3
20°-30°	819.9	15.6
30°-40°	977.3	18.6
40°-50°	982.8	18.7
50°-60°	834.0	15.9
60°-70°	555.3	10.6
70°-80°	277.3	5.3
80°-90°	74.2	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°	1551.0	29.5
0°-40°	2528.3	48.1
0°-60°	4345.2	82.7
0°-90°	5252.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5252.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	1986	1987	1983	1992	1994	189
15°	1918	1920	1917	1925	1927	541
25°	1778	1778	1776	1784	1786	818
35°	1557	1558	1563	1574	1575	971
45°	1262	1264	1272	1289	1296	971
55°	921	928	936	945	947	821
65°	547	551	553	561	575	548
75°	270	266	255	249	250	290
85°	70	69	64	60	55	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1992.4	1992.4	1992.4	1992.4	1992.4
2.5°	1990.9	1992.4	1987.2	1996.8	1999.0
5°	1986.5	1987.2	1982.8	1991.6	1993.8
7.5°	1976.9	1977.6	1973.2	1982.8	1984.2
10°	1961.4	1962.8	1959.1	1968.0	1970.2
12.5°	1941.4	1943.6	1940.0	1949.5	1951.0
15°	1917.8	1920.0	1917.1	1925.2	1926.7
17.5°	1889.0	1890.5	1889.0	1896.4	1900.8
20°	1856.5	1856.5	1856.5	1863.2	1866.9
22.5°	1815.9	1819.6	1818.2	1827.0	1830.7
25°	1778.3	1778.3	1776.1	1784.2	1785.7
27.5°	1725.9	1731.8	1731.0	1738.4	1739.9
30°	1677.9	1679.4	1680.1	1685.3	1688.2
32.5°	1619.6	1621.1	1623.3	1630.7	1631.4
35°	1556.8	1558.3	1562.7	1573.8	1575.3
37.5°	1483.8	1491.9	1495.6	1507.4	1508.9
40°	1410.7	1415.8	1426.9	1439.5	1445.4
42.5°	1336.1	1342.0	1348.7	1365.6	1370.8
45°	1261.6	1263.8	1271.9	1288.9	1296.3
47.5°	1178.9	1185.5	1192.9	1207.7	1212.1
50°	1096.2	1103.6	1108.0	1121.3	1130.2
52.5°	1012.8	1019.4	1024.6	1032.7	1041.6
55°	921.3	927.9	936.0	944.9	947.1
57.5°	828.2	835.6	840.8	850.4	860.0
60°	728.6	736.7	744.1	752.9	762.5
62.5°	635.6	639.3	646.7	661.4	675.4
65°	547.0	551.4	552.9	561.0	575.0
67.5°	473.2	473.2	466.5	469.5	485.0
70°	395.7	392.7	387.5	384.6	397.1
72.5°	332.9	329.2	318.2	313.0	319.6
75°	270.2	266.5	254.7	248.8	249.5
77.5°	217.0	211.1	201.5	191.2	189.0
80°	164.6	162.4	152.8	143.2	135.8
82.5°	116.6	111.5	106.3	100.4	94.5
85°	70.1	68.7	63.5	59.8	54.6
87.5°	28.8	28.8	27.3	25.8	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)