

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: P737902

Luminaire Tested: **14PT-60-PC3-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PC3-L950
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

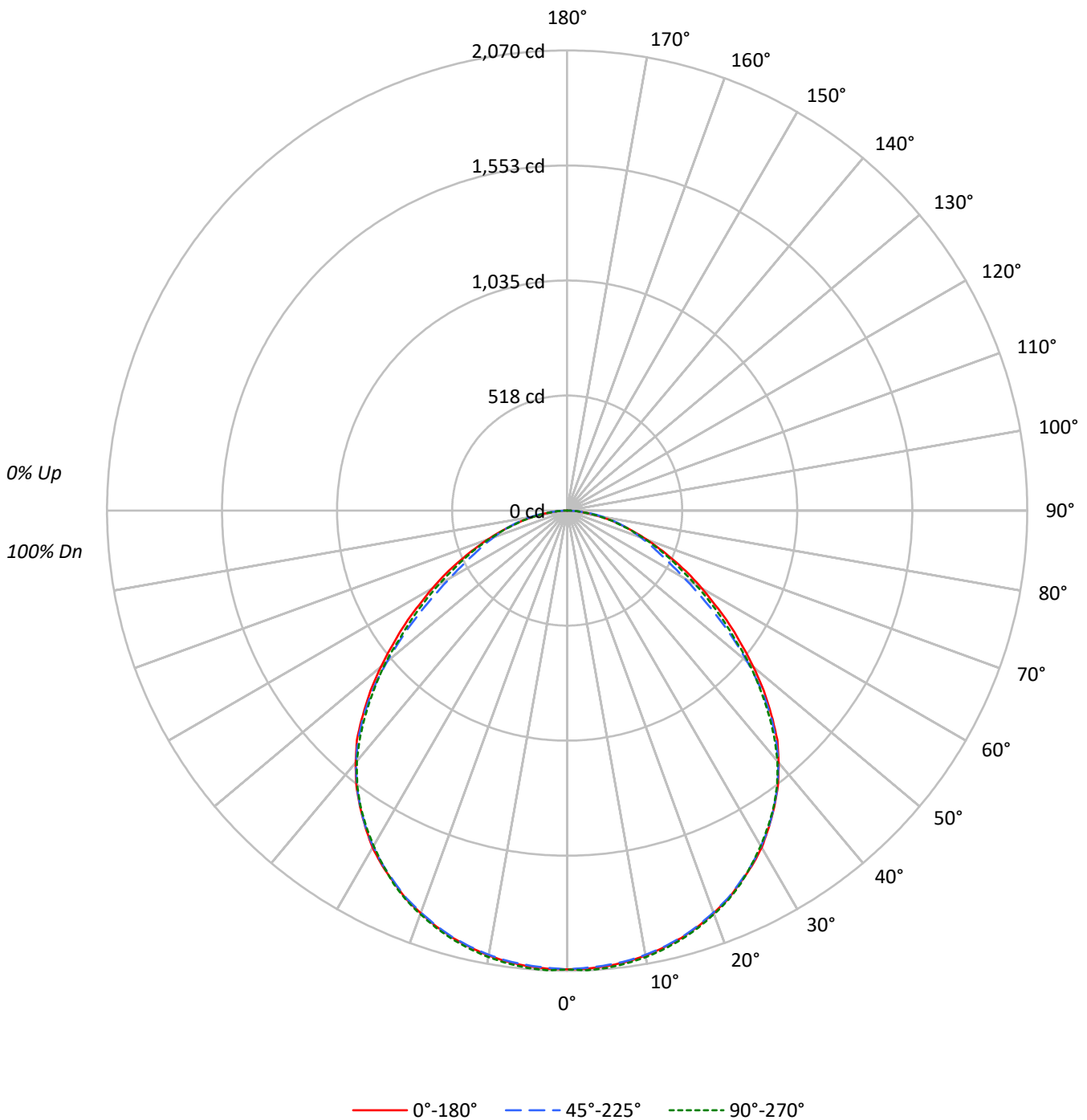
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5203.0 lumens
Efficiency: N/A
Efficacy: 104.5 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

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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	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6188	6188	6188
5°	6189	6178	6213
10°	6189	6178	6211
15°	6174	6168	6195
20°	6147	6137	6163
25°	6105	6095	6119
30°	6059	6039	6028
35°	5949	5943	5933
40°	5792	5784	5757
45°	5508	5468	5411
50°	5099	4927	4982
55°	4653	4275	4468
60°	4196	3647	4001
65°	3749	3263	3597
70°	3326	3086	3235
75°	2941	2993	2882
80°	2536	2854	2524
85°	1906	2260	1906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.7	3.8
10°-20°	561.8	10.8
20°-30°	850.7	16.3
30°-40°	1014.2	19.5
40°-50°	991.0	19.0
50°-60°	757.7	14.6
60°-70°	486.5	9.3
70°-80°	270.6	5.2
80°-90°	74.8	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°	1608.2	30.9
0°-40°	2622.4	50.4
0°-60°	4371.1	84.0
0°-90°	5203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2064	2064	2064	2064	2064	
5°	2056	2058	2053	2062	2065	196
15°	1989	1991	1987	1994	1996	561
25°	1845	1848	1842	1848	1850	851
35°	1625	1627	1624	1623	1621	1015
45°	1299	1302	1290	1287	1276	1000
55°	890	859	818	828	855	796
65°	528	488	460	475	507	527
75°	254	256	258	255	249	271
85°	55	65	66	64	55	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2063.9	2063.9	2063.9	2063.9	2063.9
2.5°	2062.4	2063.1	2058.0	2066.8	2069.8
5°	2056.5	2058.0	2052.8	2062.4	2064.6
7.5°	2047.6	2049.1	2044.0	2053.5	2054.3
10°	2032.9	2033.6	2029.2	2038.8	2040.3
12.5°	2012.9	2015.2	2010.0	2018.9	2019.6
15°	1989.3	1990.8	1987.1	1993.8	1996.0
17.5°	1961.3	1962.0	1958.3	1965.7	1966.4
20°	1926.6	1926.6	1923.6	1931.8	1931.8
22.5°	1891.2	1888.9	1888.2	1891.2	1895.6
25°	1845.4	1847.6	1842.4	1848.3	1849.8
27.5°	1801.1	1801.1	1796.7	1799.6	1795.9
30°	1750.2	1747.2	1744.3	1745.0	1741.3
32.5°	1688.9	1688.9	1687.4	1687.4	1683.0
35°	1625.4	1626.9	1623.9	1623.2	1621.0
37.5°	1557.5	1559.7	1554.6	1553.1	1551.6
40°	1480.0	1480.0	1477.8	1474.8	1471.1
42.5°	1399.5	1399.5	1389.9	1382.6	1377.4
45°	1299.2	1302.1	1289.6	1286.6	1276.3
47.5°	1199.5	1197.3	1180.3	1178.1	1172.2
50°	1093.2	1080.7	1056.3	1062.9	1068.1
52.5°	986.9	971.4	936.0	943.4	952.2
55°	890.2	859.2	817.9	828.2	854.8
57.5°	789.1	747.8	706.4	725.6	758.8
60°	699.8	653.3	608.2	628.9	667.3
62.5°	614.1	564.7	528.5	548.4	580.9
65°	528.5	487.9	459.9	475.4	507.1
67.5°	450.3	423.0	403.8	411.2	437.0
70°	379.4	362.4	352.1	354.3	369.1
72.5°	312.2	307.8	304.1	304.1	305.6
75°	253.9	256.1	258.4	254.7	248.8
77.5°	200.0	207.4	212.6	205.2	197.8
80°	146.9	158.7	165.3	157.2	146.2
82.5°	100.4	113.7	115.9	110.7	98.2
85°	55.4	65.0	65.7	63.5	55.4
87.5°	20.7	24.4	26.6	24.4	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)