

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: P737917

Luminaire Tested: **14PT-60-PP3-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-60-PP3-L940
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

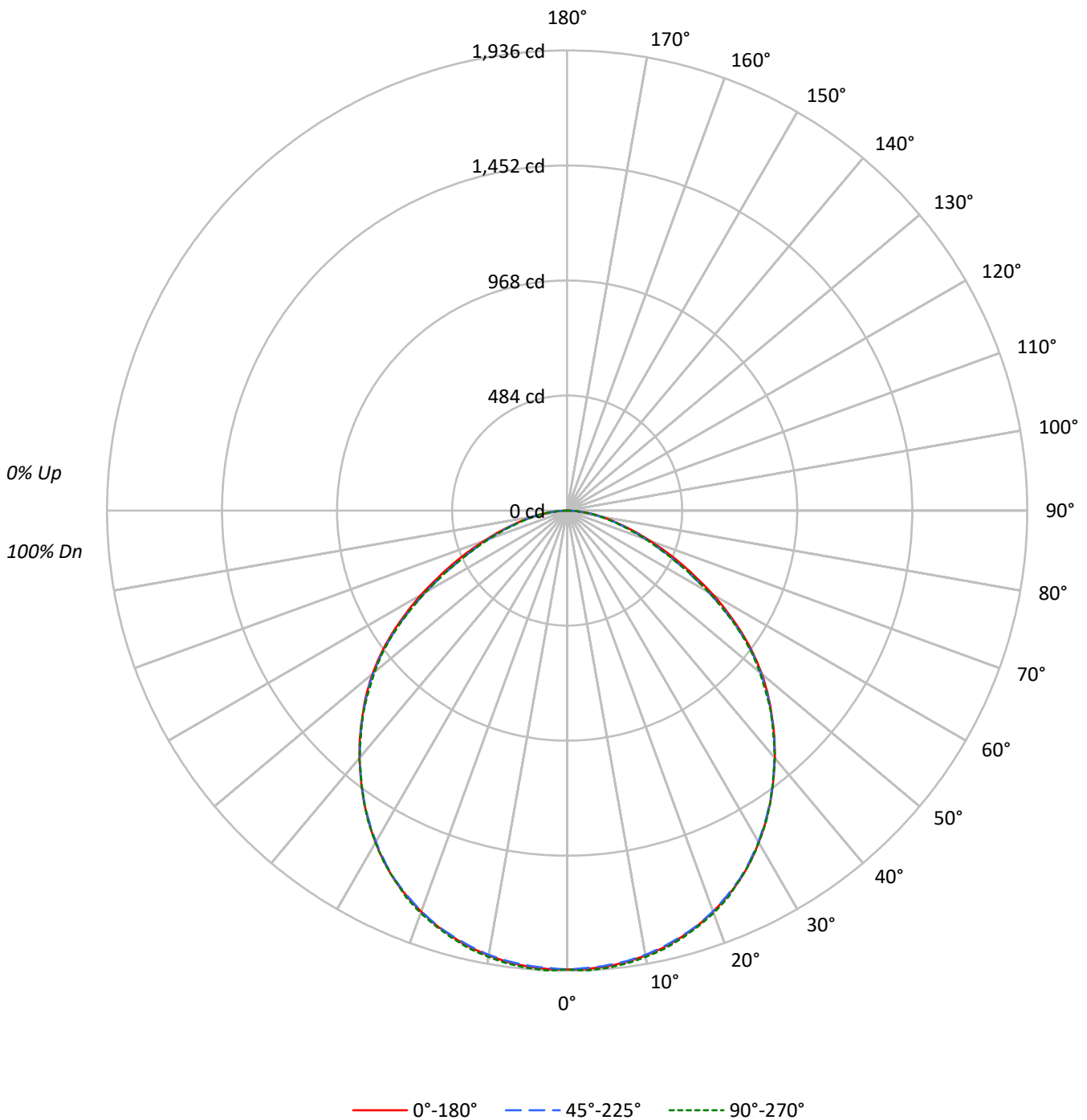
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4989.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5789	5789	5789
5°	5794	5781	5813
10°	5786	5778	5806
15°	5767	5756	5782
20°	5729	5724	5749
25°	5678	5669	5676
30°	5583	5571	5583
35°	5461	5453	5458
40°	5321	5305	5319
45°	5162	5147	5153
50°	4988	4965	4930
55°	4696	4642	4627
60°	4261	4118	4127
65°	3744	3555	3550
70°	3237	3090	3053
75°	2801	2696	2639
80°	2481	2445	2336
85°	2050	2122	2002



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.1	3.7
10°-20°	524.6	10.5
20°-30°	789.8	15.8
30°-40°	932.2	18.7
40°-50°	937.5	18.8
50°-60°	791.4	15.9
60°-70°	508.3	10.2
70°-80°	252.8	5.1
80°-90°	69.3	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°	1497.5	30.0
0°-40°	2429.7	48.7
0°-60°	4158.6	83.4
0°-90°	4989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1931	1931	1931	1931	1931	
5°	1925	1926	1921	1930	1932	183
15°	1858	1859	1854	1863	1863	524
25°	1716	1717	1714	1717	1716	790
35°	1492	1493	1490	1491	1491	933
45°	1217	1222	1214	1215	1215	939
55°	898	898	888	884	885	799
65°	528	520	501	496	500	526
75°	242	240	233	231	228	262
85°	60	62	62	58	58	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1930.8	1930.8	1930.8	1930.8	1930.8
2.5°	1930.1	1930.8	1925.9	1935.1	1936.5
5°	1925.2	1925.9	1921.0	1930.1	1931.5
7.5°	1915.4	1916.1	1911.9	1920.3	1921.7
10°	1900.7	1902.8	1897.9	1905.6	1907.0
12.5°	1882.5	1883.2	1878.3	1887.4	1888.8
15°	1858.0	1858.7	1854.5	1862.9	1862.9
17.5°	1829.9	1830.6	1827.8	1834.8	1834.1
20°	1795.6	1797.7	1794.2	1799.1	1801.9
22.5°	1758.4	1759.1	1754.9	1761.2	1764.0
25°	1716.4	1717.1	1713.6	1717.1	1715.7
27.5°	1667.3	1668.7	1663.8	1667.3	1668.0
30°	1612.7	1616.2	1609.2	1612.0	1612.7
32.5°	1553.8	1555.9	1551.0	1551.7	1555.2
35°	1492.1	1492.8	1490.0	1491.4	1491.4
37.5°	1425.5	1428.3	1424.1	1426.2	1423.4
40°	1359.7	1356.8	1355.4	1356.8	1359.0
42.5°	1290.3	1291.0	1288.9	1287.5	1284.0
45°	1217.4	1221.6	1213.9	1215.3	1215.3
47.5°	1145.9	1146.6	1142.4	1138.2	1135.4
50°	1069.5	1069.5	1064.6	1061.1	1056.9
52.5°	986.1	984.7	979.1	975.6	977.7
55°	898.5	897.8	888.0	884.5	885.2
57.5°	802.5	803.9	789.2	785.7	785.7
60°	710.7	703.7	686.8	681.9	688.2
62.5°	614.6	606.2	588.0	588.0	592.9
65°	527.7	520.0	501.1	496.2	500.4
67.5°	446.4	439.4	421.9	419.1	420.5
70°	369.3	363.0	352.5	346.2	348.3
72.5°	302.8	297.2	290.2	285.2	282.4
75°	241.8	240.4	232.7	230.6	227.8
77.5°	191.3	190.6	184.3	181.5	178.7
80°	143.7	143.0	141.6	137.4	135.3
82.5°	102.3	102.3	101.6	98.1	96.0
85°	59.6	61.7	61.7	58.2	58.2
87.5°	23.8	25.2	23.8	23.8	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)