

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: P738559

Luminaire Tested: **24PT-50-PC3-L830**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738559
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PC3-L830
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

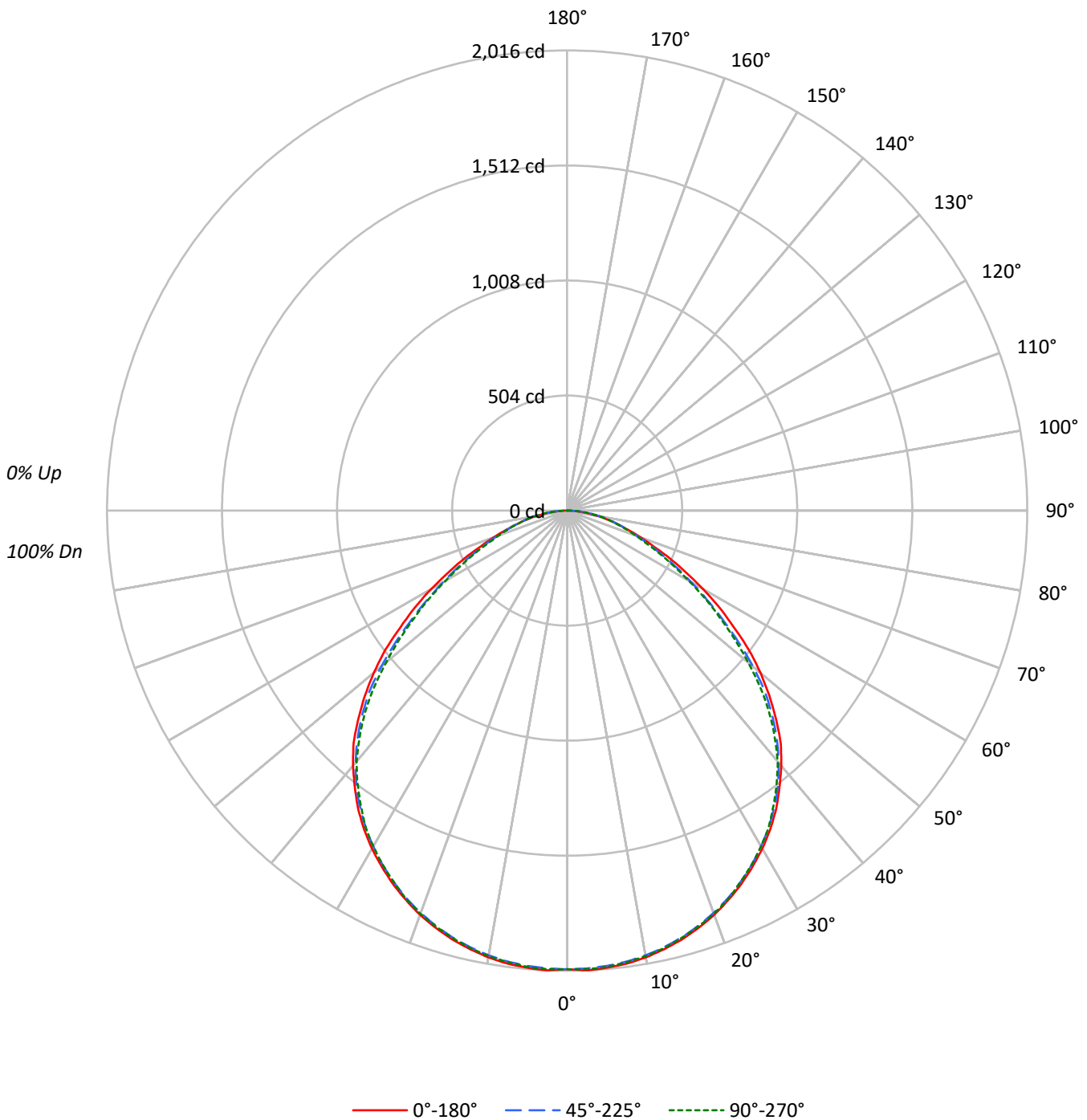
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5069.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2881	2881	2881
5°	2894	2882	2888
10°	2894	2881	2885
15°	2888	2874	2878
20°	2876	2862	2868
25°	2856	2842	2841
30°	2832	2813	2812
35°	2794	2772	2759
40°	2731	2699	2686
45°	2626	2577	2540
50°	2465	2371	2308
55°	2229	2078	2039
60°	1971	1798	1763
65°	1685	1558	1518
70°	1428	1367	1327
75°	1252	1274	1230
80°	1122	1238	1168
85°	948	1132	1076



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.5	3.8
10°-20°	546.9	10.8
20°-30°	828.5	16.3
30°-40°	989.6	19.5
40°-50°	976.2	19.3
50°-60°	755.7	14.9
60°-70°	464.5	9.2
70°-80°	243.4	4.8
80°-90°	73.8	1.5
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°	1565.9	30.9
0°-40°	2555.5	50.4
0°-60°	4287.4	84.6
0°-90°	5069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2010	2010	2010	2010	2010	
5°	2011	2004	2002	2001	2006	191
15°	1945	1939	1936	1935	1938	549
25°	1805	1800	1796	1795	1796	832
35°	1596	1589	1583	1578	1576	997
45°	1295	1285	1271	1257	1253	996
55°	892	868	831	819	816	800
65°	497	474	459	446	447	495
75°	226	228	230	225	222	243
85°	58	64	69	67	65	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2009.6	2009.6	2009.6	2009.6	2009.6
2.5°	2016.3	2010.1	2007.3	2006.8	2011.2
5°	2010.7	2004.5	2002.3	2001.2	2006.2
7.5°	2001.7	1995.0	1992.8	1991.1	1995.6
10°	1987.7	1981.0	1978.8	1977.7	1981.6
12.5°	1967.6	1961.5	1959.8	1958.1	1963.1
15°	1945.2	1939.1	1936.3	1934.6	1938.5
17.5°	1916.2	1911.1	1907.8	1907.8	1911.1
20°	1884.8	1878.7	1875.9	1874.2	1879.8
22.5°	1846.2	1842.3	1839.0	1836.2	1842.3
25°	1805.4	1799.8	1796.5	1795.3	1795.9
27.5°	1759.0	1755.1	1750.6	1748.9	1750.0
30°	1710.3	1705.3	1699.1	1695.8	1698.6
32.5°	1656.1	1648.8	1643.8	1640.4	1644.3
35°	1596.2	1589.0	1583.4	1578.3	1576.1
37.5°	1528.0	1525.8	1517.9	1509.0	1508.4
40°	1459.2	1453.1	1441.9	1438.0	1435.2
42.5°	1385.4	1372.5	1360.8	1349.6	1345.7
45°	1294.8	1285.3	1270.7	1257.3	1252.8
47.5°	1201.9	1189.6	1175.6	1152.2	1149.4
50°	1105.2	1087.3	1062.7	1043.1	1034.7
52.5°	1004.5	980.5	946.3	929.6	925.1
55°	891.5	867.5	831.1	818.8	815.5
57.5°	790.8	755.6	726.0	712.0	716.5
60°	687.4	653.3	627.0	613.6	614.7
62.5°	586.1	559.3	539.7	526.9	528.5
65°	496.7	473.7	459.2	445.8	447.4
67.5°	408.8	398.2	387.6	379.8	375.3
70°	340.6	336.1	326.1	318.8	316.6
72.5°	278.5	281.3	272.9	270.7	270.1
75°	226.0	228.2	229.9	225.4	222.0
77.5°	180.7	184.0	190.7	184.6	183.5
80°	135.9	142.6	149.9	146.0	141.5
82.5°	95.1	103.5	110.2	105.1	102.9
85°	57.6	64.3	68.8	67.1	65.4
87.5°	25.7	28.0	30.2	30.8	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)