

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: P738596

Luminaire Tested: **24PT-60-PC3-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738596
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-60-PC3-L935
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

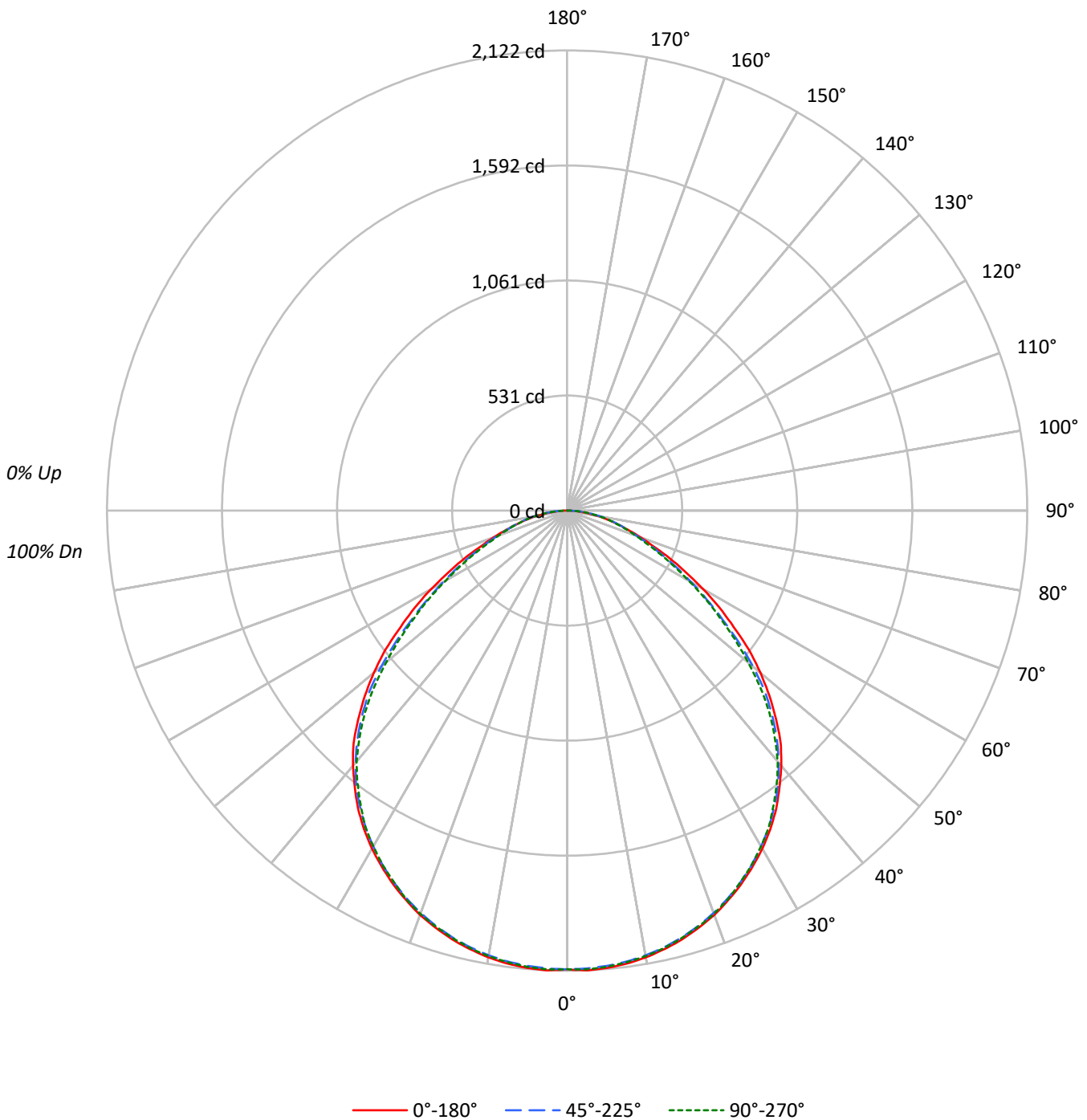
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5336.0 lumens
Efficiency: N/A
Efficacy: 105.2 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): 50.7
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	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67		75	70	65		72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57		67	61	57		65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50		61	54	50		59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44		55	49	44		54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39		50	44	39		49	43	39	37
8	63	49	41	36	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°	3033	3033	3033
5°	3047	3034	3040
10°	3046	3033	3037
15°	3040	3026	3029
20°	3028	3013	3019
25°	3007	2992	2991
30°	2981	2961	2961
35°	2941	2918	2904
40°	2875	2841	2828
45°	2764	2713	2674
50°	2595	2495	2430
55°	2346	2187	2146
60°	2075	1893	1855
65°	1774	1640	1598
70°	1503	1439	1397
75°	1318	1341	1295
80°	1182	1303	1230
85°	997	1191	1134



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.6	3.8
10°-20°	575.7	10.8
20°-30°	872.1	16.3
30°-40°	1041.7	19.5
40°-50°	1027.6	19.3
50°-60°	795.5	14.9
60°-70°	489.0	9.2
70°-80°	256.2	4.8
80°-90°	77.7	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°	1648.4	30.9
0°-40°	2690.1	50.4
0°-60°	4513.2	84.6
0°-90°	5336.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5336.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2115	2115	2115	2115	2115	
5°	2117	2110	2108	2107	2112	201
15°	2048	2041	2038	2036	2041	578
25°	1900	1895	1891	1890	1890	876
35°	1680	1673	1667	1662	1659	1049
45°	1363	1353	1338	1324	1319	1049
55°	938	913	875	862	858	842
65°	523	499	483	469	471	522
75°	238	240	242	237	234	256
85°	61	68	72	71	69	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2115.4	2115.4	2115.4	2115.4	2115.4
2.5°	2122.5	2116.0	2113.1	2112.5	2117.2
5°	2116.6	2110.1	2107.8	2106.6	2111.9
7.5°	2107.2	2100.1	2097.7	2096.0	2100.7
10°	2092.4	2085.4	2083.0	2081.9	2086.0
12.5°	2071.3	2064.8	2063.0	2061.2	2066.5
15°	2047.7	2041.2	2038.3	2036.5	2040.6
17.5°	2017.1	2011.8	2008.3	2008.3	2011.8
20°	1984.1	1977.6	1974.7	1972.9	1978.8
22.5°	1943.5	1939.4	1935.8	1932.9	1939.4
25°	1900.5	1894.6	1891.1	1889.9	1890.5
27.5°	1851.6	1847.5	1842.8	1841.0	1842.2
30°	1800.4	1795.1	1788.6	1785.1	1788.1
32.5°	1743.3	1735.7	1730.4	1726.8	1731.0
35°	1680.3	1672.7	1666.8	1661.5	1659.1
37.5°	1608.5	1606.1	1597.9	1588.5	1587.9
40°	1536.1	1529.6	1517.8	1513.7	1510.8
42.5°	1458.4	1444.8	1432.5	1420.7	1416.6
45°	1363.0	1353.0	1337.7	1323.5	1318.8
47.5°	1265.2	1252.3	1237.6	1212.8	1209.9
50°	1163.4	1144.5	1118.6	1098.0	1089.2
52.5°	1057.4	1032.1	996.2	978.5	973.8
55°	938.5	913.2	874.9	861.9	858.4
57.5°	832.5	795.4	764.2	749.5	754.2
60°	723.6	687.7	660.0	645.9	647.0
62.5°	617.0	588.8	568.2	554.6	556.4
65°	522.8	498.7	483.4	469.2	471.0
67.5°	430.4	419.2	408.0	399.8	395.1
70°	358.6	353.8	343.2	335.6	333.2
72.5°	293.2	296.1	287.3	285.0	284.4
75°	237.9	240.2	242.0	237.3	233.7
77.5°	190.2	193.7	200.8	194.3	193.1
80°	143.1	150.1	157.8	153.7	149.0
82.5°	100.1	108.9	116.0	110.7	108.3
85°	60.6	67.7	72.4	70.7	68.9
87.5°	27.1	29.4	31.8	32.4	31.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)