

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: P738282

Luminaire Tested: **22PT-60-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738282
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-60-PC3-L850
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

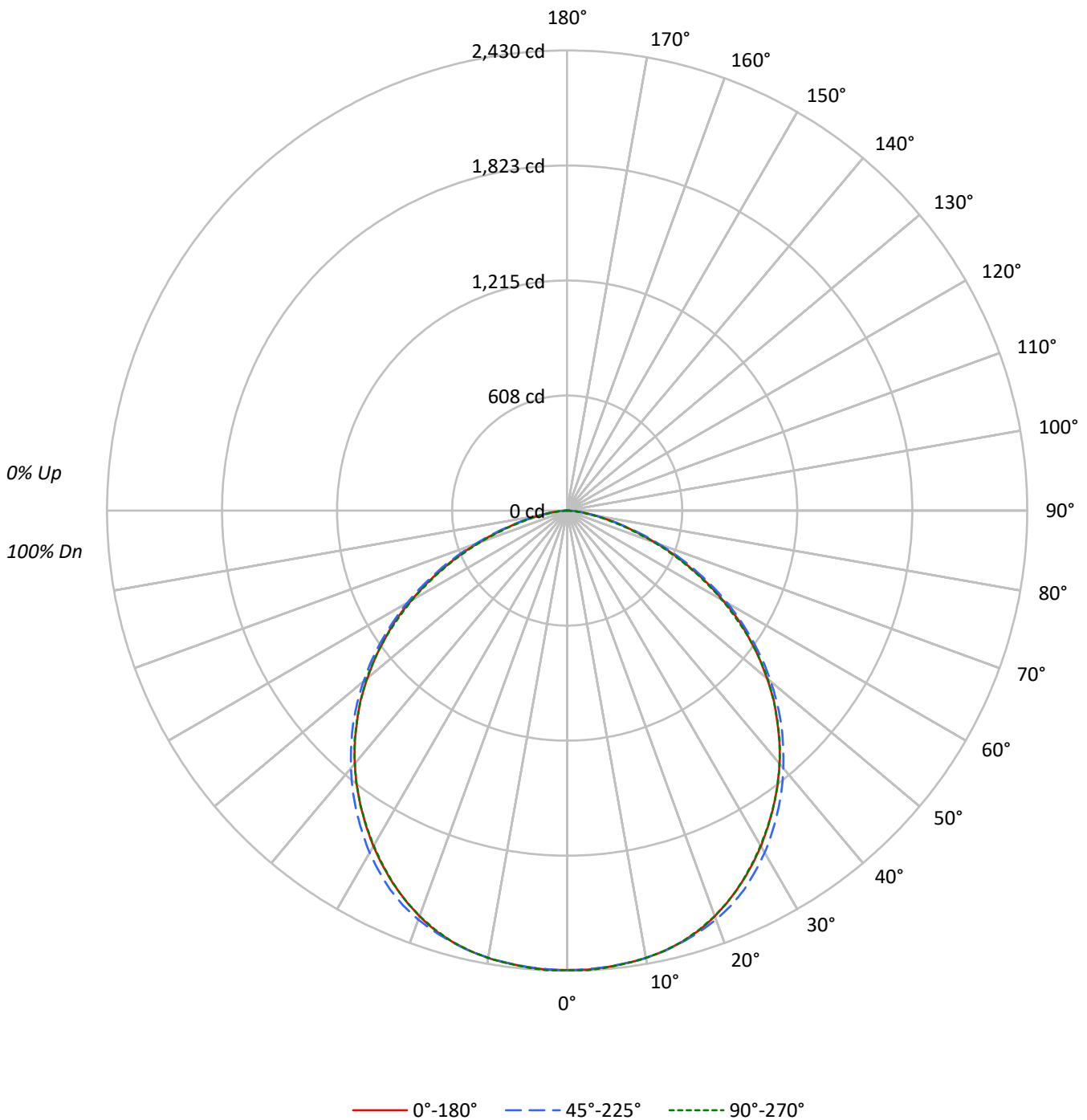
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6519.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (Ain): 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	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	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	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	54	52
5	77	65	56	49	75	63	55	49	61	54	49		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7110	7110	7110
5°	7119	7114	7124
10°	7137	7135	7137
15°	7146	7155	7143
20°	7109	7167	7105
25°	7027	7142	7022
30°	6923	7058	6912
35°	6803	6938	6803
40°	6674	6793	6674
45°	6499	6627	6509
50°	6277	6400	6301
55°	5986	6103	5986
60°	5581	5722	5545
65°	5009	5185	4945
70°	4284	4437	4158
75°	3400	3495	3223
80°	2437	2528	2320
85°	1607	1661	1506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.2	3.5
10°-20°	665.0	10.2
20°-30°	1009.0	15.5
30°-40°	1204.9	18.5
40°-50°	1225.4	18.8
50°-60°	1059.9	16.3
60°-70°	729.4	11.2
70°-80°	331.0	5.1
80°-90°	64.1	1.0
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°	1904.2	29.2
0°-40°	3109.2	47.7
0°-60°	5394.5	82.8
0°-90°	6519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6519.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2427	2427	2427	2427	2427	
5°	2420	2418	2419	2419	2422	230
15°	2356	2357	2359	2355	2355	664
25°	2174	2193	2209	2189	2172	1001
35°	1902	1936	1940	1933	1902	1190
45°	1568	1597	1599	1598	1571	1209
55°	1172	1192	1195	1192	1172	1047
65°	722	742	748	742	713	717
75°	300	312	309	306	285	323
85°	48	51	49	48	45	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2426.6	2426.6	2426.6	2426.6	2426.6
2.5°	2426.6	2423.6	2424.2	2425.1	2429.6
5°	2420.5	2418.1	2418.8	2418.8	2422.0
7.5°	2410.4	2409.7	2409.7	2408.8	2411.2
10°	2398.9	2397.4	2398.0	2397.4	2398.9
12.5°	2381.1	2381.1	2381.8	2379.6	2381.1
15°	2355.6	2357.1	2358.6	2354.9	2354.9
17.5°	2323.1	2327.0	2330.9	2324.0	2320.1
20°	2280.0	2289.3	2298.4	2287.6	2278.5
22.5°	2229.8	2245.2	2259.2	2242.1	2229.8
25°	2173.5	2192.8	2209.0	2188.9	2172.0
27.5°	2112.4	2134.1	2149.5	2132.6	2109.4
30°	2046.2	2072.4	2086.2	2070.0	2042.9
32.5°	1975.2	2005.9	2014.4	2004.4	1973.4
35°	1901.8	1935.8	1939.7	1932.7	1901.8
37.5°	1825.4	1857.8	1860.9	1857.0	1825.4
40°	1745.0	1775.1	1776.0	1776.0	1745.0
42.5°	1659.5	1688.7	1688.7	1687.9	1661.7
45°	1568.4	1596.9	1599.3	1597.6	1570.7
47.5°	1478.1	1499.7	1503.4	1500.4	1476.6
50°	1377.0	1399.3	1404.0	1400.8	1382.4
52.5°	1276.5	1297.5	1302.1	1299.7	1278.9
55°	1171.7	1191.6	1194.7	1192.5	1171.7
57.5°	1070.6	1083.6	1086.6	1082.1	1055.9
60°	952.4	971.0	976.4	971.0	946.3
62.5°	838.3	858.2	863.0	855.2	829.0
65°	722.5	742.4	747.8	741.7	713.2
67.5°	612.9	627.4	632.2	625.3	598.9
70°	500.1	518.7	517.9	508.6	485.4
72.5°	389.1	414.4	409.8	404.4	378.9
75°	300.3	311.8	308.7	305.7	284.7
77.5°	214.6	228.4	220.8	221.5	203.7
80°	144.4	157.4	149.8	146.6	137.5
82.5°	91.8	97.2	95.7	94.2	85.7
85°	47.8	50.9	49.4	47.8	44.8
87.5°	18.6	20.1	18.6	18.6	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)