

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: P737898

Luminaire Tested: **14PT-60-PC3-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737898
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-L850
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

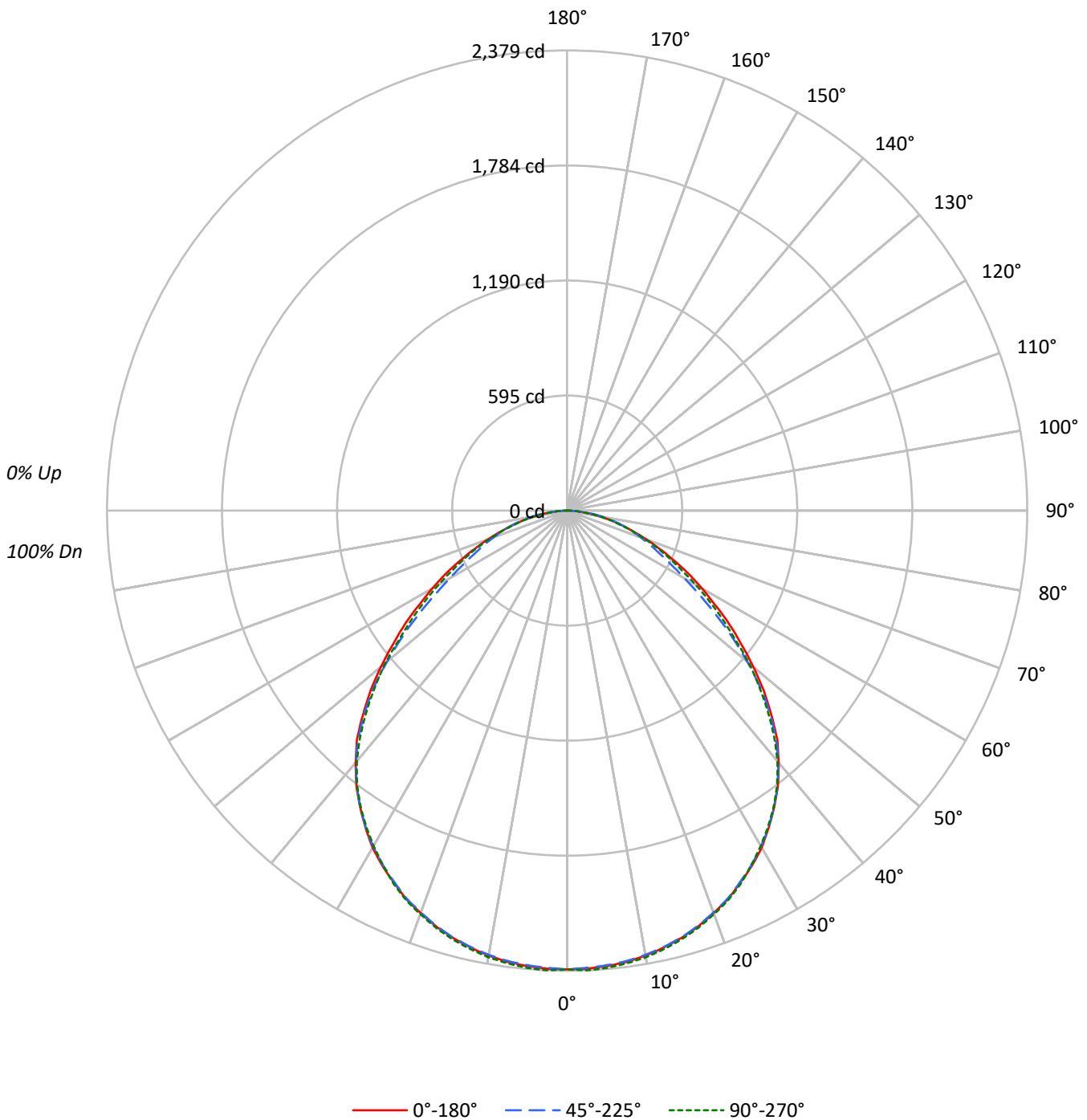
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5980.0 lumens
Efficiency: N/A
Efficacy: 120.1 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	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	87	85					85			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72					72			
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62					62			
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54					54			
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47					47			
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41					41			
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37					37			
8	62	49	41	35	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°	7112	7112	7112
5°	7113	7101	7141
10°	7113	7100	7139
15°	7097	7089	7120
20°	7065	7054	7084
25°	7016	7005	7033
30°	6964	6940	6928
35°	6838	6831	6819
40°	6657	6647	6617
45°	6331	6284	6220
50°	5861	5662	5726
55°	5348	4913	5135
60°	4823	4192	4598
65°	4309	3749	4134
70°	3823	3548	3718
75°	3380	3439	3312
80°	2914	3280	2901
85°	2188	2597	2188



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.0	3.8
10°-20°	645.7	10.8
20°-30°	977.7	16.3
30°-40°	1165.6	19.5
40°-50°	1139.0	19.0
50°-60°	870.9	14.6
60°-70°	559.1	9.3
70°-80°	311.1	5.2
80°-90°	85.9	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°	1848.4	30.9
0°-40°	3014.1	50.4
0°-60°	5023.9	84.0
0°-90°	5980.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5980.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2372	2372	2372	2372	2372	
5°	2364	2365	2359	2370	2373	225
15°	2286	2288	2284	2292	2294	645
25°	2121	2124	2118	2124	2126	978
35°	1868	1870	1866	1866	1863	1167
45°	1493	1497	1482	1479	1467	1149
55°	1023	988	940	952	982	915
65°	607	561	528	546	583	606
75°	292	294	297	293	286	312
85°	64	75	76	73	64	78
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2372.1	2372.1	2372.1	2372.1	2372.1
2.5°	2370.4	2371.2	2365.3	2375.5	2378.9
5°	2363.6	2365.3	2359.4	2370.4	2372.9
7.5°	2353.4	2355.1	2349.2	2360.2	2361.1
10°	2336.5	2337.3	2332.2	2343.3	2344.9
12.5°	2313.6	2316.1	2310.2	2320.3	2321.2
15°	2286.4	2288.1	2283.9	2291.5	2294.0
17.5°	2254.2	2255.0	2250.8	2259.3	2260.1
20°	2214.3	2214.3	2210.9	2220.2	2220.2
22.5°	2173.6	2171.0	2170.2	2173.6	2178.7
25°	2121.0	2123.5	2117.6	2124.4	2126.1
27.5°	2070.1	2070.1	2065.0	2068.4	2064.1
30°	2011.5	2008.1	2004.7	2005.6	2001.3
32.5°	1941.1	1941.1	1939.4	1939.4	1934.3
35°	1868.2	1869.8	1866.5	1865.6	1863.1
37.5°	1790.1	1792.6	1786.7	1785.0	1783.3
40°	1701.0	1701.0	1698.5	1695.1	1690.8
42.5°	1608.5	1608.5	1597.5	1589.0	1583.1
45°	1493.2	1496.6	1482.1	1478.7	1466.9
47.5°	1378.6	1376.1	1356.6	1354.0	1347.2
50°	1256.5	1242.0	1214.0	1221.7	1227.6
52.5°	1134.3	1116.5	1075.8	1084.2	1094.4
55°	1023.2	987.5	940.0	951.9	982.4
57.5°	906.9	859.4	811.9	834.0	872.1
60°	804.3	750.8	699.1	722.8	766.9
62.5°	705.9	649.0	607.4	630.4	667.7
65°	607.4	560.8	528.5	546.4	582.8
67.5°	517.5	486.1	464.1	472.6	502.2
70°	436.1	416.6	404.7	407.2	424.2
72.5°	358.9	353.8	349.5	349.5	351.2
75°	291.8	294.4	296.9	292.7	285.9
77.5°	229.9	238.4	244.3	235.9	227.4
80°	168.8	182.4	190.0	180.7	168.0
82.5°	115.4	130.7	133.2	127.3	112.8
85°	63.6	74.7	75.5	73.0	63.6
87.5°	23.8	28.0	30.5	28.0	24.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)