

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: P737896

Luminaire Tested: **14PT-60-PC3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737896
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-L835
Description: 6000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source: -
Ballast/Driver: -

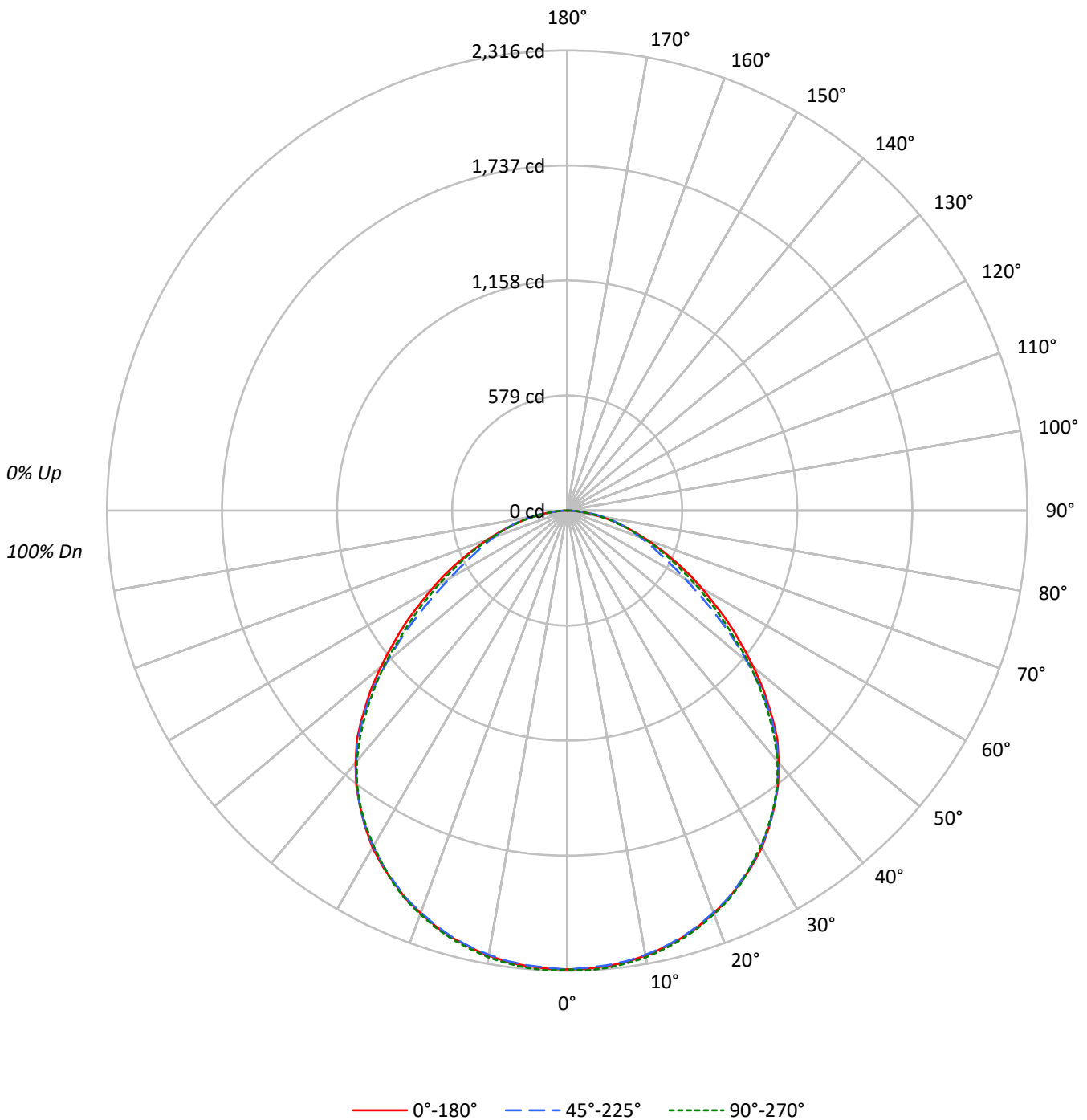
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5822.0 lumens
Efficiency: N/A
Efficacy: 116.9 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 (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	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	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°	6924	6924	6924
5°	6926	6913	6953
10°	6925	6912	6950
15°	6909	6901	6932
20°	6878	6868	6897
25°	6831	6820	6847
30°	6780	6757	6745
35°	6657	6651	6638
40°	6481	6472	6443
45°	6164	6118	6055
50°	5706	5513	5575
55°	5207	4784	5000
60°	4695	4081	4477
65°	4195	3651	4025
70°	3722	3454	3620
75°	3291	3349	3225
80°	2838	3194	2823
85°	2129	2528	2129



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.0	3.8
10°-20°	628.7	10.8
20°-30°	951.9	16.3
30°-40°	1134.8	19.5
40°-50°	1108.9	19.0
50°-60°	847.9	14.6
60°-70°	544.4	9.4
70°-80°	302.8	5.2
80°-90°	83.6	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°	1799.6	30.9
0°-40°	2934.4	50.4
0°-60°	4891.2	84.0
0°-90°	5822.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5822.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2309	2309	2309	2309	2309	
5°	2301	2303	2297	2308	2310	219
15°	2226	2228	2224	2231	2233	628
25°	2065	2067	2062	2068	2070	952
35°	1819	1820	1817	1816	1814	1136
45°	1454	1457	1443	1440	1428	1119
55°	996	961	915	927	956	890
65°	591	546	515	532	567	590
75°	284	287	289	285	278	304
85°	62	73	74	71	62	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2309.4	2309.4	2309.4	2309.4	2309.4
2.5°	2307.8	2308.6	2302.8	2312.7	2316.0
5°	2301.2	2302.8	2297.0	2307.8	2310.2
7.5°	2291.3	2292.9	2287.1	2297.9	2298.7
10°	2274.7	2275.6	2270.6	2281.3	2283.0
12.5°	2252.4	2254.9	2249.1	2259.0	2259.9
15°	2226.0	2227.7	2223.5	2231.0	2233.4
17.5°	2194.6	2195.4	2191.3	2199.6	2200.4
20°	2155.8	2155.8	2152.5	2161.6	2161.6
22.5°	2116.1	2113.7	2112.8	2116.1	2121.1
25°	2064.9	2067.4	2061.6	2068.2	2069.9
27.5°	2015.4	2015.4	2010.4	2013.7	2009.6
30°	1958.4	1955.1	1951.8	1952.6	1948.5
32.5°	1889.8	1889.8	1888.2	1888.2	1883.2
35°	1818.8	1820.4	1817.1	1816.3	1813.8
37.5°	1742.8	1745.3	1739.5	1737.8	1736.2
40°	1656.1	1656.1	1653.6	1650.3	1646.2
42.5°	1566.0	1566.0	1555.3	1547.0	1541.3
45°	1453.7	1457.0	1443.0	1439.7	1428.1
47.5°	1342.2	1339.7	1320.7	1318.3	1311.6
50°	1223.3	1209.2	1182.0	1189.4	1195.2
52.5°	1104.3	1087.0	1047.3	1055.6	1065.5
55°	996.1	961.4	915.2	926.7	956.5
57.5°	883.0	836.7	790.5	811.9	849.1
60°	783.0	731.0	680.6	703.7	746.7
62.5°	687.2	631.9	591.4	613.7	650.0
65°	591.4	546.0	514.6	531.9	567.4
67.5°	503.8	473.3	451.8	460.1	489.0
70°	424.6	405.6	394.0	396.5	413.0
72.5°	349.4	344.4	340.3	340.3	342.0
75°	284.1	286.6	289.1	285.0	278.4
77.5°	223.8	232.1	237.9	229.6	221.4
80°	164.4	177.6	185.0	175.9	163.5
82.5°	112.3	127.2	129.7	123.9	109.9
85°	61.9	72.7	73.5	71.0	61.9
87.5°	23.1	27.3	29.7	27.3	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)