

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: P737736

Luminaire Tested: **14PT-20-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737736
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PR1-L835
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

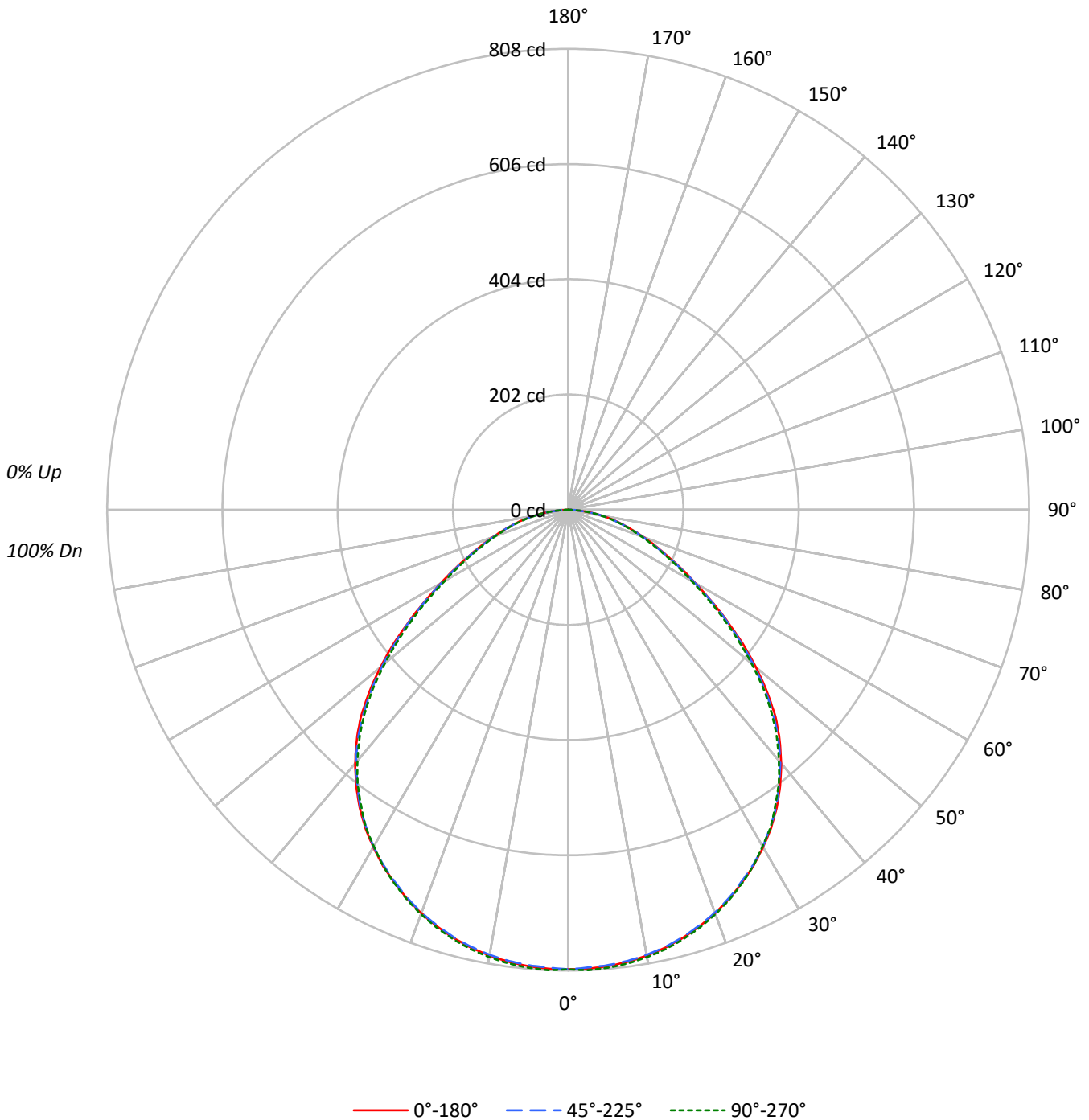
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2038.0 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 16.2
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	88	85
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	80	73	68	78	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	45	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	39	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2416	2416	2416
5°	2418	2413	2426
10°	2416	2412	2425
15°	2412	2408	2420
20°	2401	2399	2408
25°	2386	2380	2389
30°	2365	2362	2359
35°	2332	2327	2317
40°	2273	2264	2248
45°	2178	2154	2138
50°	2005	1982	1958
55°	1774	1766	1732
60°	1542	1536	1495
65°	1359	1350	1324
70°	1233	1215	1190
75°	1141	1114	1093
80°	1043	1027	993
85°	826	815	784



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	3.8
10°-20°	219.4	10.8
20°-30°	332.4	16.3
30°-40°	396.8	19.5
40°-50°	390.2	19.1
50°-60°	301.6	14.8
60°-70°	190.2	9.3
70°-80°	102.9	5.0
80°-90°	28.1	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°	628.2	30.8
0°-40°	1025.0	50.3
0°-60°	1716.9	84.2
0°-90°	2038.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2038.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	806	806	806	806	806	
5°	804	804	802	805	806	76
15°	777	777	776	778	780	219
25°	721	722	720	722	722	332
35°	637	638	636	635	633	398
45°	514	512	508	504	504	393
55°	339	342	338	332	331	305
65°	192	192	190	187	187	193
75°	98	97	96	97	94	105
85°	24	24	24	24	23	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	805.9	805.9	805.9	805.9	805.9
2.5°	805.6	805.9	803.5	807.3	808.2
5°	803.5	803.8	801.8	805.3	806.1
7.5°	799.5	800.1	798.1	801.5	802.4
10°	793.7	794.3	792.3	795.7	796.6
12.5°	786.5	786.8	785.1	788.2	789.1
15°	777.0	777.3	775.8	778.4	779.6
17.5°	766.0	766.3	764.3	767.4	768.0
20°	752.7	753.0	751.8	754.4	754.7
22.5°	738.0	738.6	736.8	739.1	739.4
25°	721.2	721.8	719.5	721.8	722.1
27.5°	703.6	703.9	701.9	703.6	703.3
30°	683.1	684.8	682.2	681.7	681.4
32.5°	661.7	662.0	659.4	658.8	660.0
35°	637.2	637.5	635.7	634.9	633.1
37.5°	610.3	610.3	607.1	606.6	606.3
40°	580.8	580.6	578.5	576.5	574.5
42.5°	548.8	549.4	545.3	541.9	541.3
45°	513.8	511.8	508.1	504.0	504.3
47.5°	472.5	473.1	467.9	464.7	463.9
50°	429.8	429.8	424.9	421.4	419.7
52.5°	385.0	385.3	380.7	376.1	375.2
55°	339.4	342.3	337.9	332.5	331.3
57.5°	296.6	298.9	294.9	289.1	288.8
60°	257.1	257.4	256.2	250.7	249.3
62.5°	223.3	221.8	221.2	218.4	216.6
65°	191.5	191.8	190.3	187.2	186.6
67.5°	165.8	165.5	162.9	160.9	159.7
70°	140.7	139.8	138.6	136.9	135.8
72.5°	118.1	118.1	117.3	116.7	114.7
75°	98.5	97.3	96.2	96.8	94.4
77.5°	79.7	78.6	77.7	76.5	76.0
80°	60.4	59.2	59.5	57.8	57.5
82.5°	41.9	41.9	41.3	39.9	40.1
85°	24.0	24.3	23.7	24.0	22.8
87.5°	8.7	9.0	9.5	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)