

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: P737722

Luminaire Tested: **14PT-20-PL1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737722
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PL1-L850
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

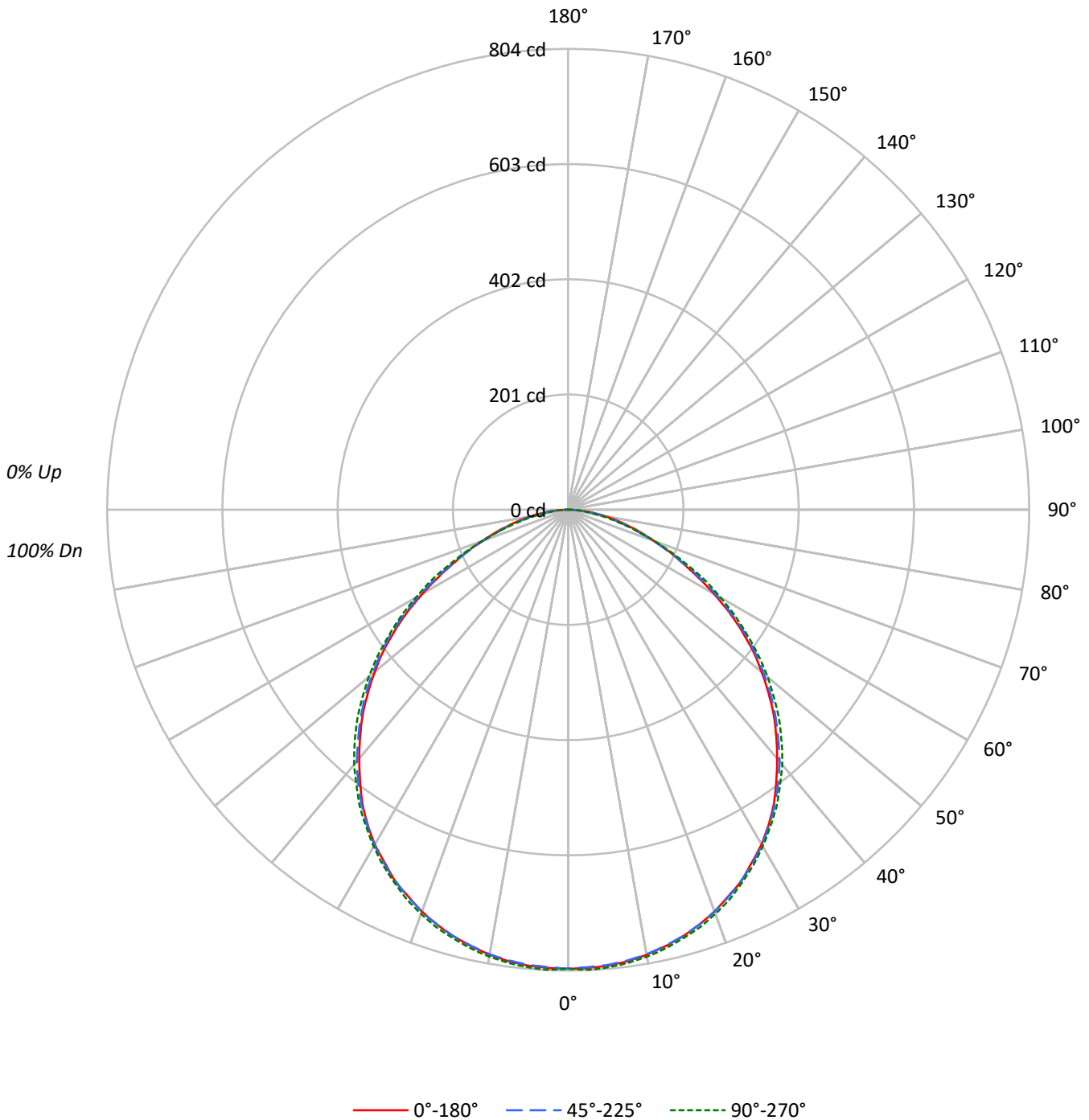
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2111.0 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
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 (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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	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	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2401	2401	2401
5°	2403	2399	2412
10°	2400	2397	2411
15°	2392	2392	2404
20°	2381	2381	2394
25°	2365	2362	2374
30°	2335	2338	2349
35°	2290	2299	2317
40°	2219	2245	2274
45°	2150	2167	2209
50°	2055	2077	2119
55°	1936	1966	1990
60°	1756	1793	1838
65°	1560	1576	1639
70°	1394	1366	1399
75°	1258	1186	1162
80°	1143	1060	943
85°	970	877	757



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	3.6
10°-20°	217.9	10.3
20°-30°	329.6	15.6
30°-40°	392.8	18.6
40°-50°	395.0	18.7
50°-60°	335.3	15.9
60°-70°	223.2	10.6
70°-80°	111.5	5.3
80°-90°	29.8	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°	623.4	29.5
0°-40°	1016.2	48.1
0°-60°	1746.5	82.7
0°-90°	2111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2111.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	801	801	801	801	801	
5°	798	799	797	800	801	76
15°	771	772	771	774	774	217
25°	715	715	714	717	718	329
35°	626	626	628	633	633	390
45°	507	508	511	518	521	390
55°	370	373	376	380	381	330
65°	220	222	222	226	231	220
75°	109	107	102	100	100	117
85°	28	28	26	24	22	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	800.8	800.8	800.8	800.8	800.8
2.5°	800.2	800.8	798.7	802.6	803.5
5°	798.4	798.7	797.0	800.5	801.4
7.5°	794.6	794.9	793.1	797.0	797.6
10°	788.4	788.9	787.5	791.0	791.9
12.5°	780.3	781.2	779.7	783.6	784.2
15°	770.8	771.7	770.6	773.8	774.4
17.5°	759.3	759.9	759.3	762.2	764.0
20°	746.2	746.2	746.2	748.9	750.4
22.5°	729.9	731.4	730.8	734.4	735.8
25°	714.8	714.8	713.9	717.1	717.7
27.5°	693.7	696.1	695.8	698.7	699.3
30°	674.4	675.0	675.3	677.4	678.6
32.5°	651.0	651.6	652.5	655.4	655.7
35°	625.8	626.4	628.1	632.6	633.2
37.5°	596.4	599.6	601.1	605.9	606.5
40°	567.0	569.1	573.5	578.6	581.0
42.5°	537.0	539.4	542.1	548.9	551.0
45°	507.1	508.0	511.2	518.1	521.0
47.5°	473.8	476.5	479.5	485.4	487.2
50°	440.6	443.6	445.4	450.7	454.3
52.5°	407.1	409.8	411.8	415.1	418.7
55°	370.3	373.0	376.2	379.8	380.7
57.5°	332.9	335.9	338.0	341.8	345.7
60°	292.9	296.1	299.1	302.6	306.5
62.5°	255.5	256.9	259.9	265.9	271.5
65°	219.9	221.6	222.2	225.5	231.1
67.5°	190.2	190.2	187.5	188.7	194.9
70°	159.0	157.8	155.8	154.6	159.6
72.5°	133.8	132.3	127.9	125.8	128.5
75°	108.6	107.1	102.4	100.0	100.3
77.5°	87.2	84.9	81.0	76.8	76.0
80°	66.2	65.3	61.4	57.6	54.6
82.5°	46.9	44.8	42.7	40.4	38.0
85°	28.2	27.6	25.5	24.0	22.0
87.5°	11.6	11.6	11.0	10.4	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)