

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: P738074

Luminaire Tested: **22PT-20-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506233)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PW1-L850
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

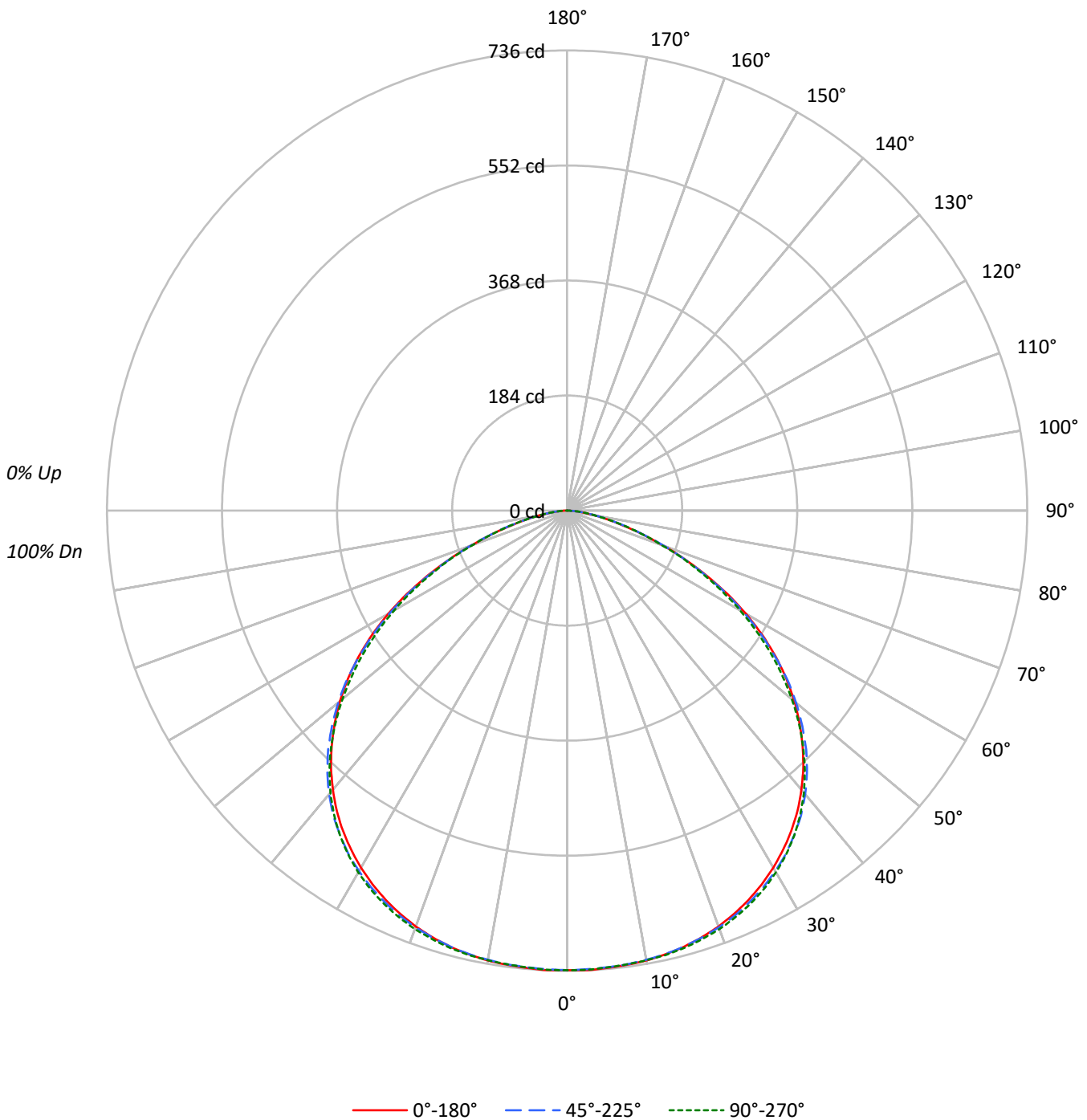
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2125.0 lumens
Efficiency: N/A
Efficacy: 143.6 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.34 / 1.44
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 14.8
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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	49	75	63	55	48	61	54	48	59	52	47	57	51	47	45
6	71	58	49	42	69	57	48	42	55	47	42	53	47	42	52	46	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	37	35
8	61	48	39	33	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	35	30	56	43	35	30	42	35	30	41	34	30	40	34	29	28
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2154	2154	2154
5°	2160	2157	2157
10°	2174	2171	2173
15°	2191	2190	2197
20°	2207	2212	2221
25°	2220	2233	2243
30°	2231	2253	2261
35°	2237	2266	2267
40°	2230	2266	2253
45°	2208	2240	2212
50°	2163	2178	2139
55°	2079	2070	2031
60°	1936	1914	1873
65°	1707	1690	1658
70°	1398	1404	1375
75°	1059	1095	1086
80°	768	798	785
85°	501	521	558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	3.3
10°-20°	204.2	9.6
20°-30°	318.3	15.0
30°-40°	394.5	18.6
40°-50°	412.8	19.4
50°-60°	359.7	16.9
60°-70°	241.0	11.3
70°-80°	104.5	4.9
80°-90°	20.1	0.9
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°	592.4	27.9
0°-40°	986.9	46.4
0°-60°	1759.4	82.8
0°-90°	2125.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2125.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	734	734	733	733	734	70
15°	722	721	722	723	724	204
25°	687	687	691	693	694	317
35°	625	628	633	634	634	391
45°	533	536	540	536	534	410
55°	407	407	405	401	398	362
65°	246	245	244	242	239	244
75°	94	95	97	96	96	103
85°	15	16	16	16	17	19
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	735.1	735.1	735.1	735.1	735.1
2.5°	735.9	734.6	734.3	734.3	735.1
5°	734.3	733.5	733.3	733.1	733.5
7.5°	732.8	731.7	732.0	731.4	732.0
10°	730.7	729.6	729.6	729.6	730.4
12.5°	727.0	726.2	726.5	727.0	728.0
15°	722.2	721.2	722.0	722.8	724.1
17.5°	715.7	714.9	716.2	717.5	718.6
20°	707.8	707.0	709.4	711.3	712.3
22.5°	698.1	697.8	701.0	703.1	703.9
25°	686.8	687.0	690.7	692.8	693.9
27.5°	673.9	674.4	679.2	681.0	682.1
30°	659.5	660.8	665.8	667.3	668.2
32.5°	643.1	645.0	651.0	652.1	652.1
35°	625.3	627.6	633.4	634.2	633.7
37.5°	605.4	607.9	614.5	613.5	612.7
40°	583.0	585.9	592.4	590.3	589.1
42.5°	559.1	562.0	567.8	564.6	562.7
45°	532.8	535.7	540.5	536.0	533.9
47.5°	504.4	507.8	510.2	505.3	502.6
50°	474.5	475.6	477.9	472.1	469.2
52.5°	441.9	441.9	443.8	437.4	434.0
55°	407.0	406.7	405.2	400.7	397.5
57.5°	369.9	368.3	367.3	362.5	358.9
60°	330.3	327.9	326.6	322.7	319.7
62.5°	288.8	287.5	285.8	282.7	279.6
65°	246.2	244.8	243.8	241.5	239.1
67.5°	203.9	203.1	203.1	201.5	201.3
70°	163.2	163.7	163.9	163.9	160.5
72.5°	126.4	126.6	128.0	126.9	126.6
75°	93.5	95.1	96.7	95.9	95.9
77.5°	67.3	69.6	69.6	69.1	68.3
80°	45.5	46.5	47.3	47.0	46.5
82.5°	28.9	29.7	28.9	29.4	29.7
85°	14.9	16.0	15.5	15.8	16.6
87.5°	5.0	5.5	5.8	5.5	5.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)