

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: P737750

Luminaire Tested: **14PT-20-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737750
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PW1-L950
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

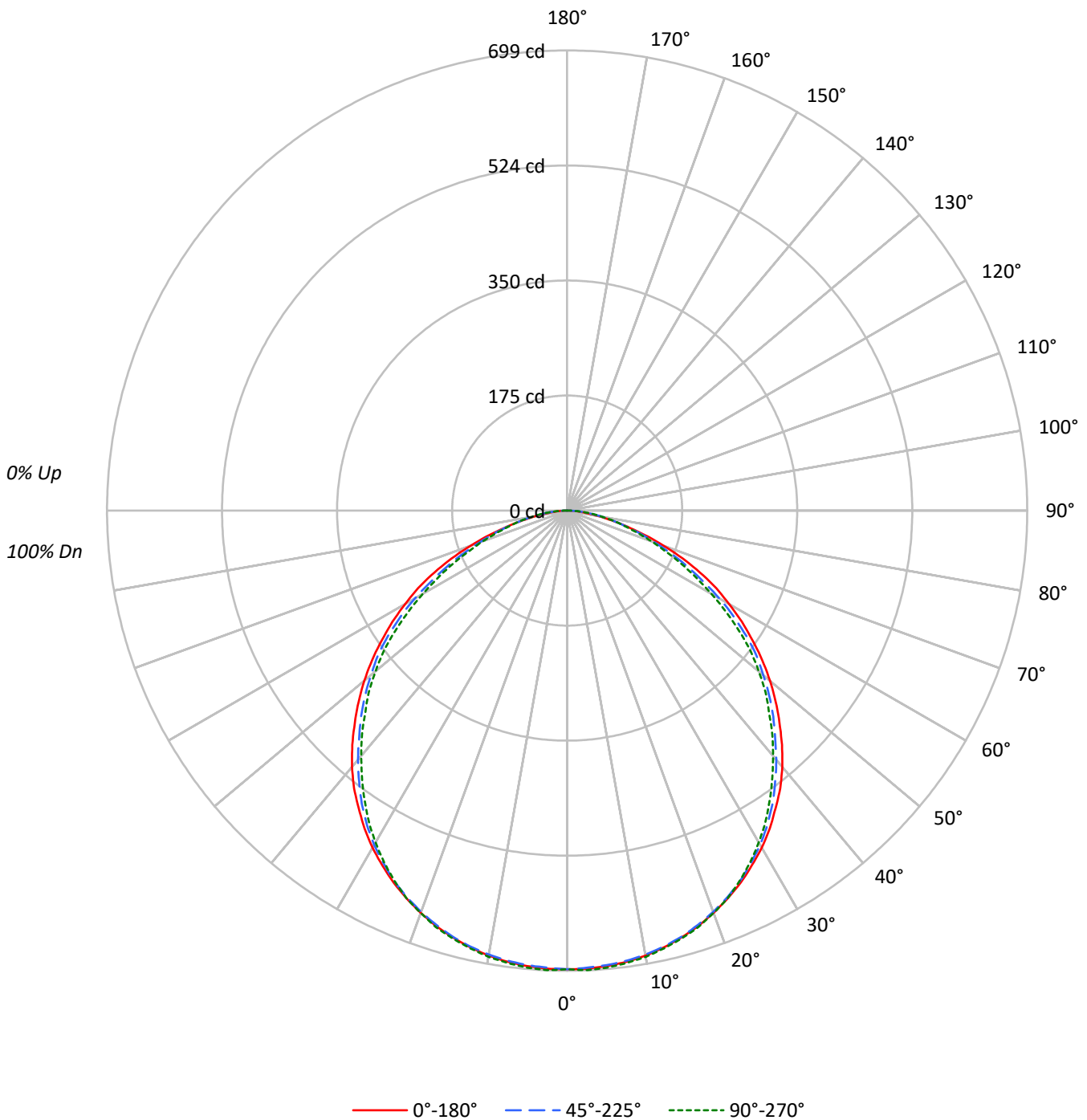
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1849.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 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 (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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	47	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2089	2089	2089
5°	2091	2086	2097
10°	2090	2085	2095
15°	2083	2080	2088
20°	2075	2070	2075
25°	2063	2055	2053
30°	2047	2030	2015
35°	2020	1990	1964
40°	1989	1935	1904
45°	1934	1877	1839
50°	1876	1814	1772
55°	1798	1736	1668
60°	1704	1603	1520
65°	1577	1432	1361
70°	1367	1246	1199
75°	1091	1068	1038
80°	829	927	927
85°	612	791	791



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	3.6
10°-20°	189.5	10.2
20°-30°	286.4	15.5
30°-40°	340.1	18.4
40°-50°	342.6	18.5
50°-60°	296.2	16.0
60°-70°	202.4	10.9
70°-80°	99.8	5.4
80°-90°	25.8	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°	542.0	29.3
0°-40°	882.1	47.7
0°-60°	1520.9	82.3
0°-90°	1849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1849.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	697	697	697	697	697	
5°	695	695	693	696	697	66
15°	671	672	670	672	673	189
25°	624	623	621	622	621	287
35°	552	550	544	539	537	345
45°	456	451	443	438	434	352
55°	344	343	332	322	319	307
65°	222	214	202	193	192	219
75°	94	94	92	92	90	103
85°	18	21	23	24	23	22
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	696.8	696.8	696.8	696.8	696.8
2.5°	696.5	696.8	695.0	698.1	698.8
5°	694.7	695.0	693.1	696.0	696.8
7.5°	691.3	691.9	689.8	692.6	693.1
10°	686.4	686.7	684.9	687.7	688.2
12.5°	679.7	680.0	678.4	681.0	681.0
15°	671.2	672.0	670.2	672.5	672.8
17.5°	661.7	661.9	660.1	662.7	663.2
20°	650.3	650.3	648.7	650.8	650.3
22.5°	637.6	637.6	635.8	636.9	637.4
25°	623.7	623.2	621.1	621.6	620.6
27.5°	607.7	607.7	604.1	604.1	602.3
30°	591.4	590.1	586.3	583.9	582.1
32.5°	572.8	571.0	566.1	562.0	560.7
35°	551.9	550.1	543.7	538.8	536.7
37.5°	531.8	527.7	519.2	514.2	511.9
40°	508.3	503.1	494.4	487.7	486.6
42.5°	483.0	478.9	467.5	462.6	461.3
45°	456.2	451.3	442.7	437.6	433.7
47.5°	429.8	426.2	416.4	410.2	408.9
50°	402.2	399.1	389.0	382.3	380.0
52.5°	373.6	371.5	363.0	354.4	351.6
55°	343.9	342.8	332.2	322.4	319.1
57.5°	314.7	313.4	300.2	288.9	285.8
60°	284.2	280.4	267.4	256.9	253.5
62.5°	255.3	247.1	233.1	224.9	221.0
65°	222.3	214.3	201.9	193.1	191.8
67.5°	189.7	180.2	170.6	165.2	161.1
70°	155.9	149.5	142.2	137.6	136.8
72.5°	124.4	119.8	116.2	113.3	111.0
75°	94.2	93.5	92.2	92.2	89.6
77.5°	69.2	71.0	72.0	71.8	72.3
80°	48.0	51.6	53.7	54.0	53.7
82.5°	30.5	34.6	37.9	38.5	39.0
85°	17.8	20.9	23.0	23.5	23.0
87.5°	8.0	10.1	10.6	11.1	10.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)