

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: P737744

Luminaire Tested: **14PT-20-PW1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737744
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-L835
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

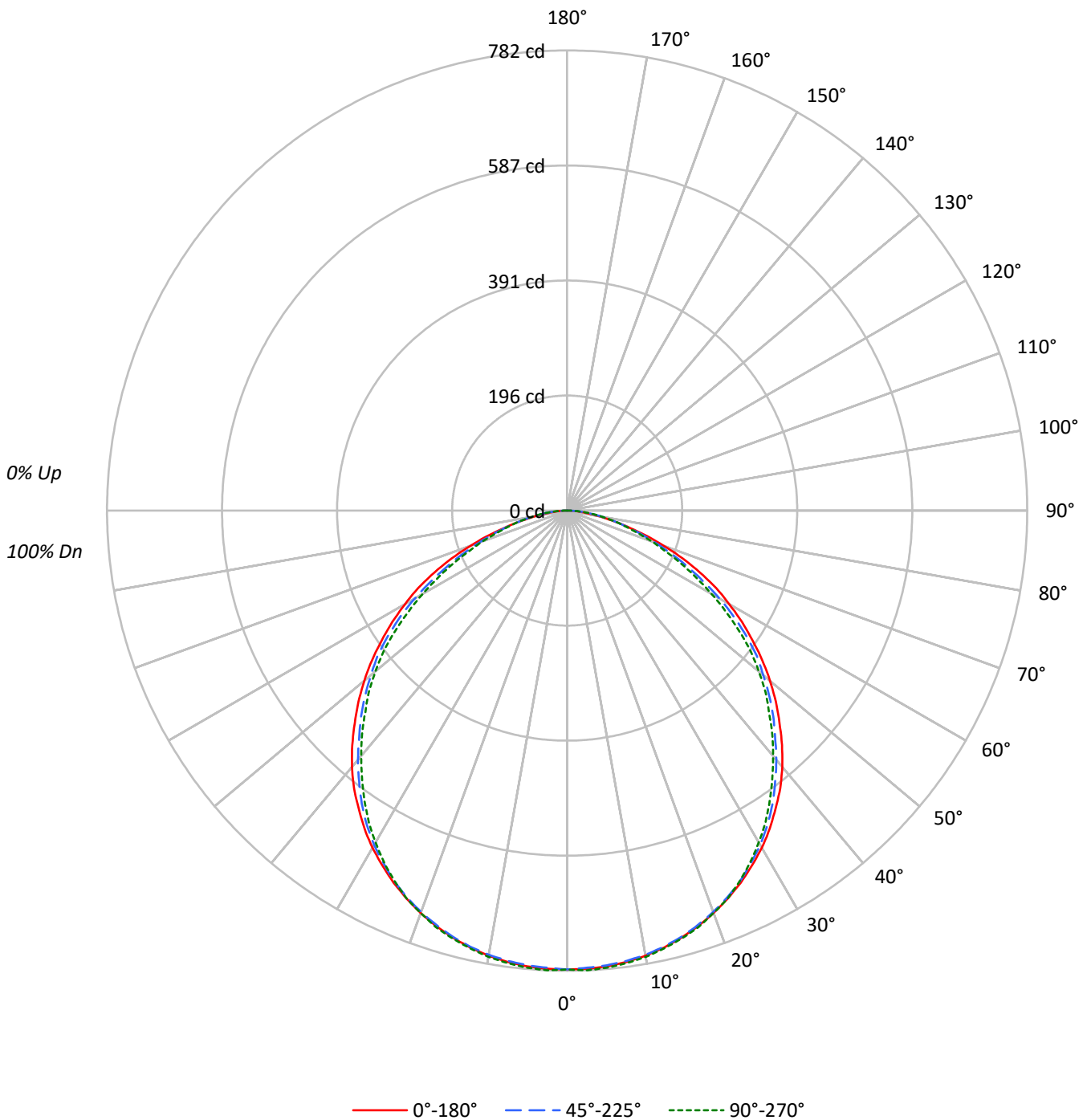
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2069.0 lumens
Efficiency: N/A
Efficacy: 127.7 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°	2338	2338	2338
5°	2340	2334	2347
10°	2338	2333	2344
15°	2331	2328	2337
20°	2322	2316	2322
25°	2309	2299	2297
30°	2291	2271	2255
35°	2260	2227	2198
40°	2226	2165	2131
45°	2164	2100	2058
50°	2099	2030	1983
55°	2011	1943	1866
60°	1907	1795	1701
65°	1764	1603	1522
70°	1530	1396	1342
75°	1221	1194	1161
80°	927	1038	1038
85°	685	884	884



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.6
10°-20°	212.1	10.2
20°-30°	320.5	15.5
30°-40°	380.6	18.4
40°-50°	383.4	18.5
50°-60°	331.4	16.0
60°-70°	226.5	10.9
70°-80°	111.7	5.4
80°-90°	28.9	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°	606.5	29.3
0°-40°	987.1	47.7
0°-60°	1701.9	82.3
0°-90°	2069.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2069.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	780	780	780	780	780	
5°	777	778	776	779	780	74
15°	751	752	750	752	753	212
25°	698	697	695	696	694	322
35°	618	616	608	603	601	387
45°	510	505	495	490	485	394
55°	385	384	372	361	357	344
65°	249	240	226	216	215	245
75°	105	105	103	103	100	115
85°	20	23	26	26	26	24
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.7	779.7	779.7	779.7	779.7
2.5°	779.4	779.7	777.6	781.1	782.0
5°	777.4	777.6	775.6	778.8	779.7
7.5°	773.6	774.2	771.9	775.0	775.6
10°	768.1	768.4	766.4	769.6	770.1
12.5°	760.6	760.9	759.2	762.0	762.0
15°	751.1	751.9	749.9	752.5	752.8
17.5°	740.4	740.7	738.6	741.5	742.1
20°	727.7	727.7	725.9	728.2	727.7
22.5°	713.5	713.5	711.5	712.6	713.2
25°	697.9	697.3	695.0	695.6	694.4
27.5°	680.0	680.0	676.0	676.0	673.9
30°	661.8	660.4	656.0	653.4	651.4
32.5°	641.0	639.0	633.5	628.9	627.4
35°	617.6	615.6	608.4	602.9	600.6
37.5°	595.1	590.5	580.9	575.4	572.8
40°	568.8	563.0	553.2	545.7	544.5
42.5°	540.5	535.9	523.1	517.7	516.2
45°	510.4	504.9	495.4	489.6	485.3
47.5°	481.0	476.9	466.0	459.0	457.6
50°	450.1	446.6	435.3	427.8	425.2
52.5°	418.0	415.7	406.2	396.6	393.4
55°	384.8	383.6	371.8	360.8	357.0
57.5°	352.1	350.7	336.0	323.2	319.8
60°	318.0	313.7	299.3	287.4	283.7
62.5°	285.7	276.5	260.9	251.6	247.3
65°	248.7	239.8	225.9	216.1	214.6
67.5°	212.3	201.6	190.9	184.9	180.3
70°	174.5	167.3	159.2	154.0	153.1
72.5°	139.2	134.0	130.0	126.8	124.2
75°	105.4	104.6	103.1	103.1	100.2
77.5°	77.4	79.4	80.6	80.3	80.9
80°	53.7	57.8	60.1	60.4	60.1
82.5°	34.1	38.7	42.5	43.0	43.6
85°	19.9	23.4	25.7	26.3	25.7
87.5°	9.0	11.3	11.8	12.4	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)