

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: P737728

Luminaire Tested: **14PT-20-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-20-PP3-L835
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

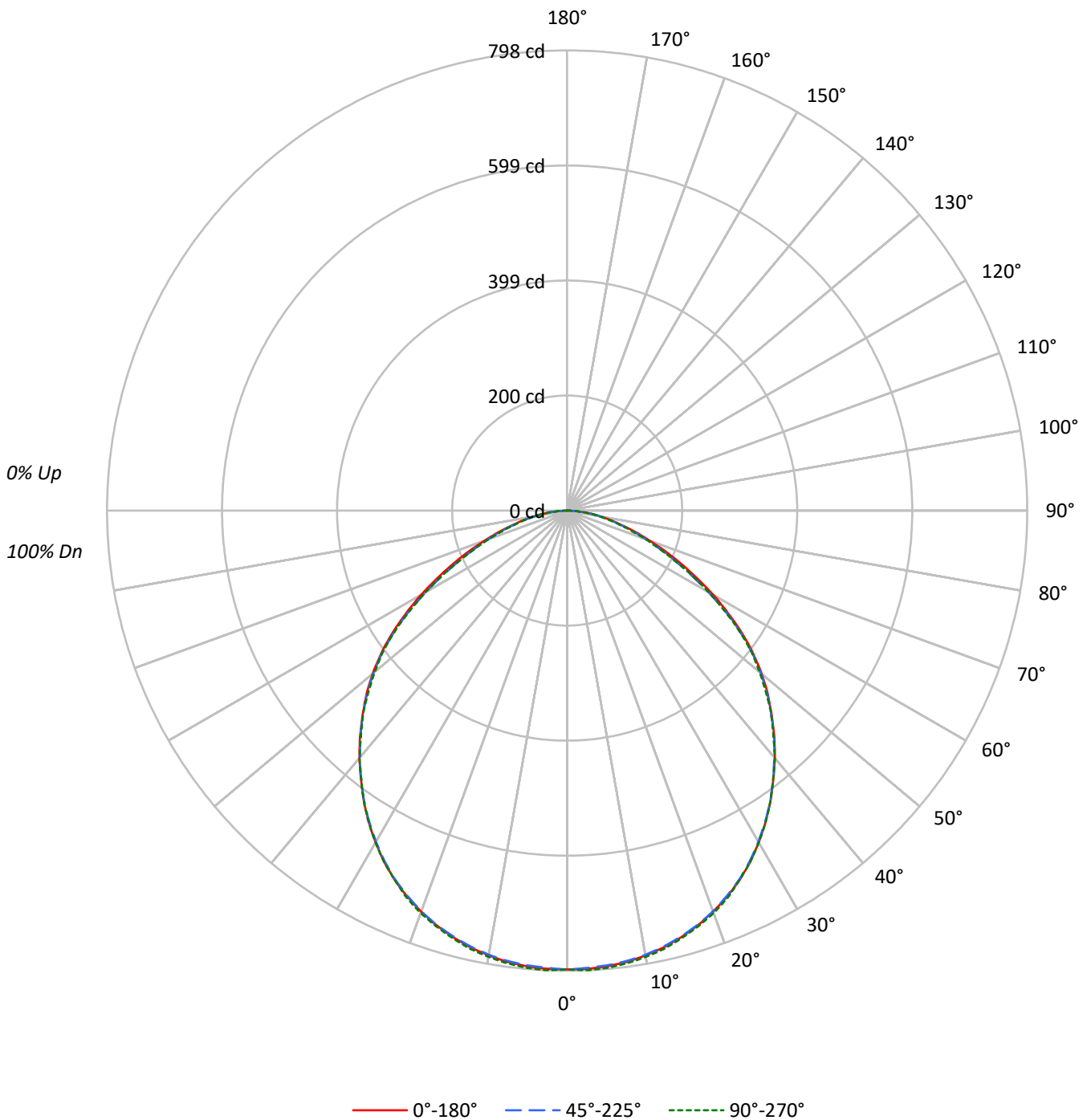
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2056.0 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 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	96	99	96	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78		84	79	76		81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49		60	54	49		58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43		54	48	43		53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38		50	43	38		48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34		45	39	34		44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31		42	35	31		41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28		39	33	28		38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2386	2386	2386
5°	2388	2383	2396
10°	2385	2381	2393
15°	2377	2372	2383
20°	2361	2359	2369
25°	2340	2336	2339
30°	2301	2296	2301
35°	2251	2247	2249
40°	2193	2186	2192
45°	2127	2121	2123
50°	2056	2046	2031
55°	1936	1913	1907
60°	1756	1697	1701
65°	1543	1465	1463
70°	1334	1274	1258
75°	1154	1111	1088
80°	1022	1007	962
85°	846	874	826



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.5	3.7
10°-20°	216.2	10.5
20°-30°	325.5	15.8
30°-40°	384.2	18.7
40°-50°	386.3	18.8
50°-60°	326.1	15.9
60°-70°	209.5	10.2
70°-80°	104.2	5.1
80°-90°	28.5	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°	617.1	30.0
0°-40°	1001.3	48.7
0°-60°	1713.8	83.4
0°-90°	2056.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2056.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	796	796	796	796	796	
5°	793	794	792	795	796	75
15°	766	766	764	768	768	216
25°	707	708	706	708	707	325
35°	615	615	614	615	615	384
45°	502	503	500	501	501	387
55°	370	370	366	364	365	329
65°	218	214	206	204	206	217
75°	100	99	96	95	94	108
85°	25	25	25	24	24	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	795.7	795.7	795.7	795.7	795.7
2.5°	795.4	795.7	793.7	797.4	798.0
5°	793.4	793.7	791.7	795.4	796.0
7.5°	789.4	789.6	787.9	791.4	792.0
10°	783.3	784.2	782.1	785.3	785.9
12.5°	775.8	776.1	774.1	777.8	778.4
15°	765.7	766.0	764.2	767.7	767.7
17.5°	754.1	754.4	753.3	756.1	755.9
20°	740.0	740.8	739.4	741.4	742.6
22.5°	724.7	725.0	723.2	725.8	727.0
25°	707.3	707.6	706.2	707.6	707.0
27.5°	687.1	687.7	685.7	687.1	687.4
30°	664.6	666.0	663.1	664.3	664.6
32.5°	640.3	641.2	639.2	639.5	640.9
35°	614.9	615.2	614.0	614.6	614.6
37.5°	587.5	588.6	586.9	587.8	586.6
40°	560.3	559.2	558.6	559.2	560.0
42.5°	531.7	532.0	531.2	530.6	529.1
45°	501.7	503.4	500.2	500.8	500.8
47.5°	472.2	472.5	470.8	469.1	467.9
50°	440.7	440.7	438.7	437.3	435.5
52.5°	406.4	405.8	403.5	402.0	402.9
55°	370.3	370.0	365.9	364.5	364.8
57.5°	330.7	331.3	325.2	323.8	323.8
60°	292.9	290.0	283.0	281.0	283.6
62.5°	253.3	249.8	242.3	242.3	244.3
65°	217.5	214.3	206.5	204.5	206.2
67.5°	184.0	181.1	173.9	172.7	173.3
70°	152.2	149.6	145.3	142.7	143.5
72.5°	124.8	122.5	119.6	117.6	116.4
75°	99.6	99.1	95.9	95.0	93.9
77.5°	78.8	78.6	76.0	74.8	73.7
80°	59.2	58.9	58.3	56.6	55.7
82.5°	42.2	42.2	41.9	40.4	39.6
85°	24.6	25.4	25.4	24.0	24.0
87.5°	9.8	10.4	9.8	9.8	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)