

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: P737720

Luminaire Tested: **14PT-20-PL1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P737720
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-L835
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

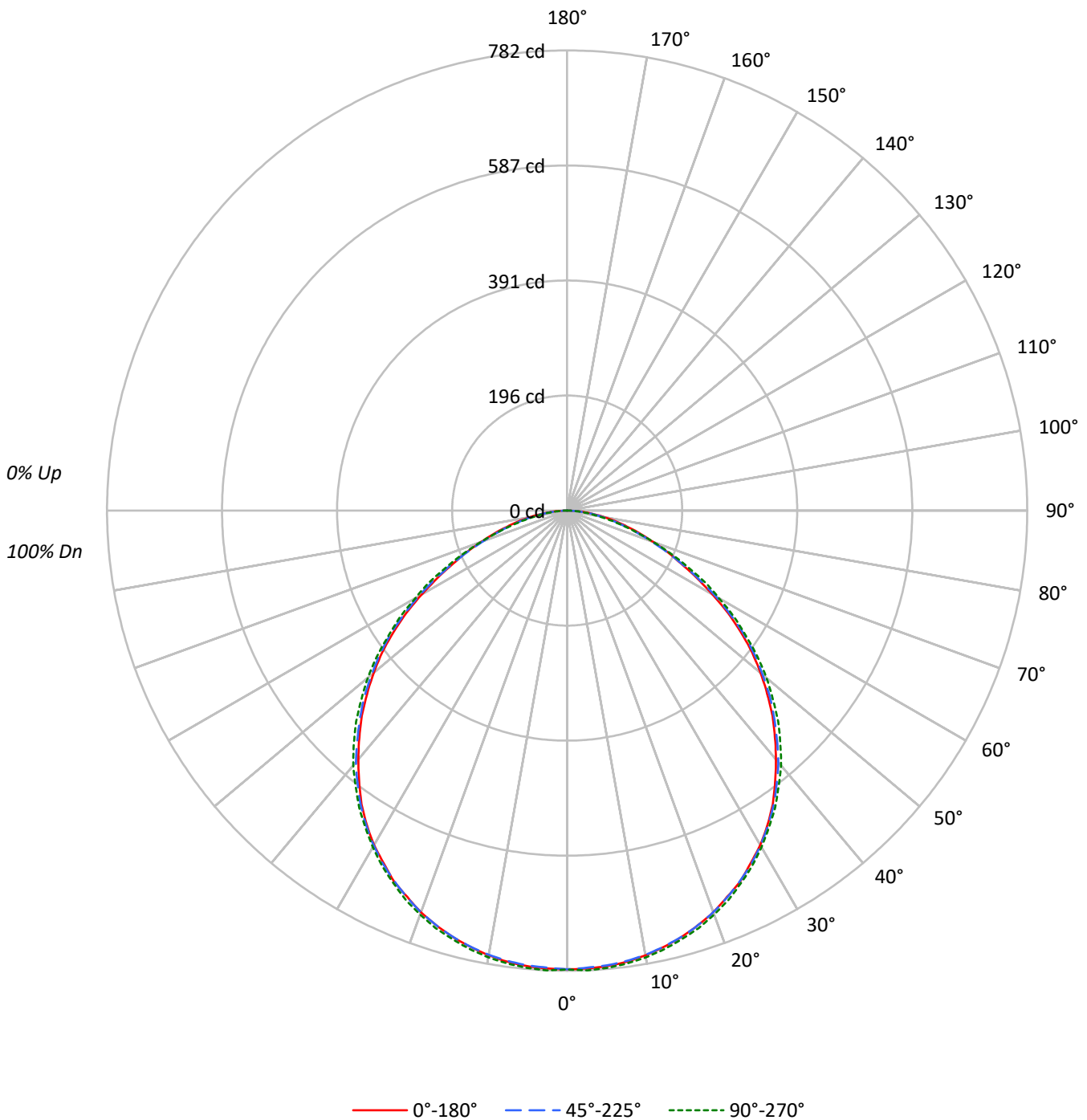
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2055.0 lumens
Efficiency: N/A
Efficacy: 126.9 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 (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

TEST NUMBER: P737720
CATALOG NUMBER: 14PT-20-PL1-L835

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°	2337	2337	2337
5°	2339	2335	2348
10°	2336	2334	2347
15°	2329	2328	2340
20°	2318	2318	2331
25°	2302	2299	2311
30°	2273	2276	2287
35°	2230	2238	2256
40°	2160	2185	2213
45°	2093	2110	2150
50°	2000	2022	2062
55°	1884	1914	1937
60°	1710	1745	1789
65°	1518	1534	1596
70°	1357	1329	1362
75°	1224	1154	1131
80°	1112	1032	917
85°	943	853	736



TEST NUMBER: P737720

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.9	3.6
10°-20°	212.1	10.3
20°-30°	320.8	15.6
30°-40°	382.4	18.6
40°-50°	384.5	18.7
50°-60°	326.3	15.9
60°-70°	217.3	10.6
70°-80°	108.5	5.3
80°-90°	29.0	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°	606.9	29.5
0°-40°	989.3	48.1
0°-60°	1700.2	82.7
0°-90°	2055.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2055.0	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°	750	751	750	753	754	212
25°	696	696	695	698	699	320
35°	609	610	612	616	616	380
45°	494	494	498	504	507	380
55°	360	363	366	370	371	321
65°	214	216	216	220	225	215
75°	106	104	100	97	98	114
85°	27	27	25	23	21	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	779.6	779.6	779.6	779.6	779.6
2.5°	779.0	779.6	777.5	781.3	782.2
5°	777.3	777.5	775.8	779.3	780.1
7.5°	773.5	773.8	772.1	775.8	776.4
10°	767.4	768.0	766.6	770.0	770.9
12.5°	759.6	760.5	759.1	762.8	763.4
15°	750.4	751.3	750.1	753.3	753.9
17.5°	739.1	739.7	739.1	742.0	743.8
20°	726.4	726.4	726.4	729.0	730.5
22.5°	710.5	712.0	711.4	714.9	716.3
25°	695.8	695.8	694.9	698.1	698.7
27.5°	675.3	677.6	677.3	680.2	680.8
30°	656.5	657.1	657.4	659.4	660.6
32.5°	633.7	634.3	635.2	638.0	638.3
35°	609.2	609.7	611.5	615.8	616.4
37.5°	580.6	583.7	585.2	589.8	590.4
40°	552.0	554.0	558.3	563.2	565.5
42.5°	522.8	525.1	527.7	534.3	536.4
45°	493.6	494.5	497.7	504.3	507.2
47.5°	461.3	463.9	466.8	472.5	474.3
50°	428.9	431.8	433.5	438.7	442.2
52.5°	396.3	398.9	400.9	404.1	407.5
55°	360.5	363.1	366.2	369.7	370.6
57.5°	324.1	327.0	329.0	332.7	336.5
60°	285.1	288.3	291.1	294.6	298.4
62.5°	248.7	250.1	253.0	258.8	264.3
65°	214.0	215.8	216.3	219.5	225.0
67.5°	185.1	185.1	182.5	183.7	189.8
70°	154.8	153.7	151.6	150.5	155.4
72.5°	130.3	128.8	124.5	122.5	125.1
75°	105.7	104.3	99.6	97.3	97.6
77.5°	84.9	82.6	78.9	74.8	73.9
80°	64.4	63.5	59.8	56.0	53.1
82.5°	45.6	43.6	41.6	39.3	37.0
85°	27.4	26.9	24.8	23.4	21.4
87.5°	11.3	11.3	10.7	10.1	9.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)