

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: P738056

Luminaire Tested: **22PT-20-PP3-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738056
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P412714)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PP3-L835
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source: -
Ballast/Driver: -

Summary

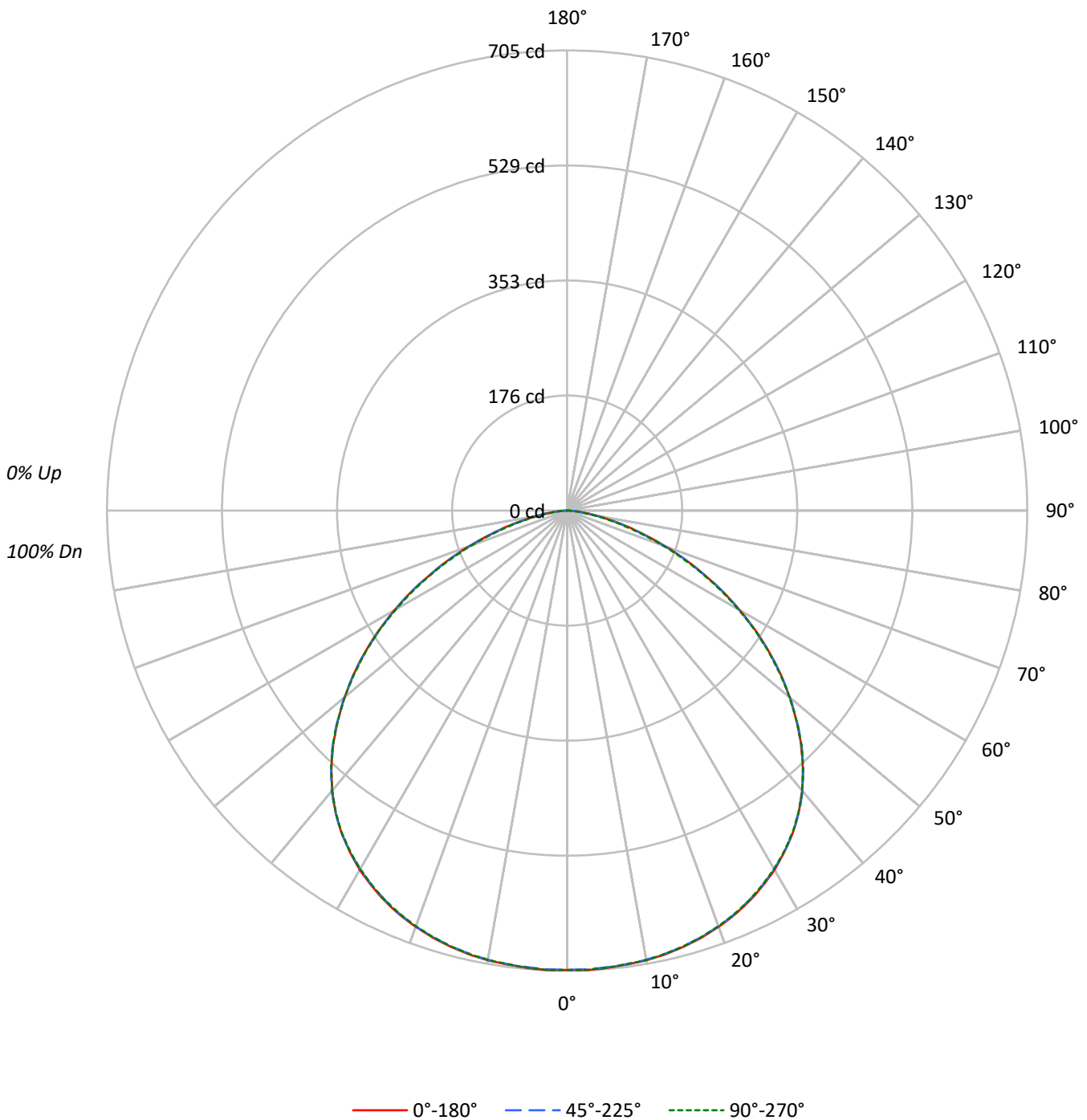
Lumens per Lamp: N/A
Luminaire Lumens: 2019.0 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.33 / 1.33 / 1.43
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	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	64	58	54	52
5	77	64	55	49	75	63	55	49	61	54	48	59	53	47	57	51	47	45
6	71	58	49	43	69	57	48	42	55	48	42	53	47	42	52	46	41	39
7	66	52	44	38	64	52	43	37	50	43	37	49	42	37	47	41	37	35
8	61	48	39	33	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	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°	2062	2062	2062
5°	2068	2066	2067
10°	2081	2079	2080
15°	2098	2095	2095
20°	2116	2114	2113
25°	2135	2131	2131
30°	2150	2146	2145
35°	2156	2156	2153
40°	2142	2146	2142
45°	2099	2105	2102
50°	2029	2032	2026
55°	1931	1926	1923
60°	1793	1789	1775
65°	1602	1600	1581
70°	1369	1360	1330
75°	1090	1059	1027
80°	778	761	722
85°	504	504	491



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	3.3
10°-20°	195.2	9.7
20°-30°	304.0	15.1
30°-40°	376.2	18.6
40°-50°	390.1	19.3
50°-60°	336.2	16.7
60°-70°	228.6	11.3
70°-80°	102.3	5.1
80°-90°	19.5	1.0
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°	566.1	28.0
0°-40°	942.3	46.7
0°-60°	1668.6	82.6
0°-90°	2019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	704	704	704	704	704	
5°	703	702	702	702	703	67
15°	692	690	691	690	691	195
25°	660	659	659	659	659	304
35°	603	602	603	602	602	376
45°	507	506	508	507	507	390
55°	378	377	377	376	376	337
65°	231	233	231	230	228	229
75°	96	97	94	93	91	104
85°	15	16	15	15	15	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	703.7	703.7	703.7	703.7	703.7
2.5°	704.7	703.2	703.2	703.5	704.2
5°	703.2	701.8	702.3	702.0	702.8
7.5°	701.4	700.2	700.9	700.4	700.9
10°	699.5	698.3	698.6	698.3	699.0
12.5°	696.2	694.8	695.3	695.3	695.5
15°	691.5	690.3	690.8	690.3	690.8
17.5°	685.8	684.4	684.7	684.4	684.9
20°	678.6	677.7	677.9	677.4	677.7
22.5°	670.3	669.2	669.4	669.0	669.0
25°	660.3	659.3	659.1	658.8	659.1
27.5°	648.5	647.4	647.4	647.1	647.1
30°	635.4	634.2	634.2	633.9	633.9
32.5°	619.8	619.3	619.6	619.1	618.9
35°	602.7	601.9	602.7	601.8	601.9
37.5°	582.7	581.8	583.2	582.2	582.4
40°	559.9	559.4	561.1	560.4	559.9
42.5°	534.5	534.5	535.3	535.5	535.0
45°	506.6	506.1	508.0	506.8	507.3
47.5°	476.5	475.8	477.2	476.9	476.7
50°	445.1	444.5	445.7	444.5	444.5
52.5°	412.4	412.1	412.4	411.2	410.9
55°	378.0	376.7	377.1	376.4	376.4
57.5°	342.3	340.7	340.9	340.7	340.9
60°	305.9	305.4	305.2	304.0	302.9
62.5°	268.6	269.0	268.8	267.1	266.0
65°	231.0	232.9	230.8	230.0	228.1
67.5°	195.5	196.2	194.8	193.1	191.0
70°	159.8	161.2	158.8	157.2	155.3
72.5°	125.7	126.6	124.5	123.6	121.2
75°	96.3	96.6	93.5	93.0	90.7
77.5°	68.6	69.5	67.2	67.2	64.8
80°	46.1	47.7	45.1	44.4	42.8
82.5°	28.9	29.1	28.4	27.7	27.0
85°	15.0	15.5	15.0	14.6	14.6
87.5°	5.7	5.9	5.7	5.4	5.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)