

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: P738064

Luminaire Tested: **22PT-20-PR1-L835**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)
Test Lab: INNOVATION CENTER
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-20-PR1-L835
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPLE LENS

Light Source: -
Ballast/Driver: -

Summary

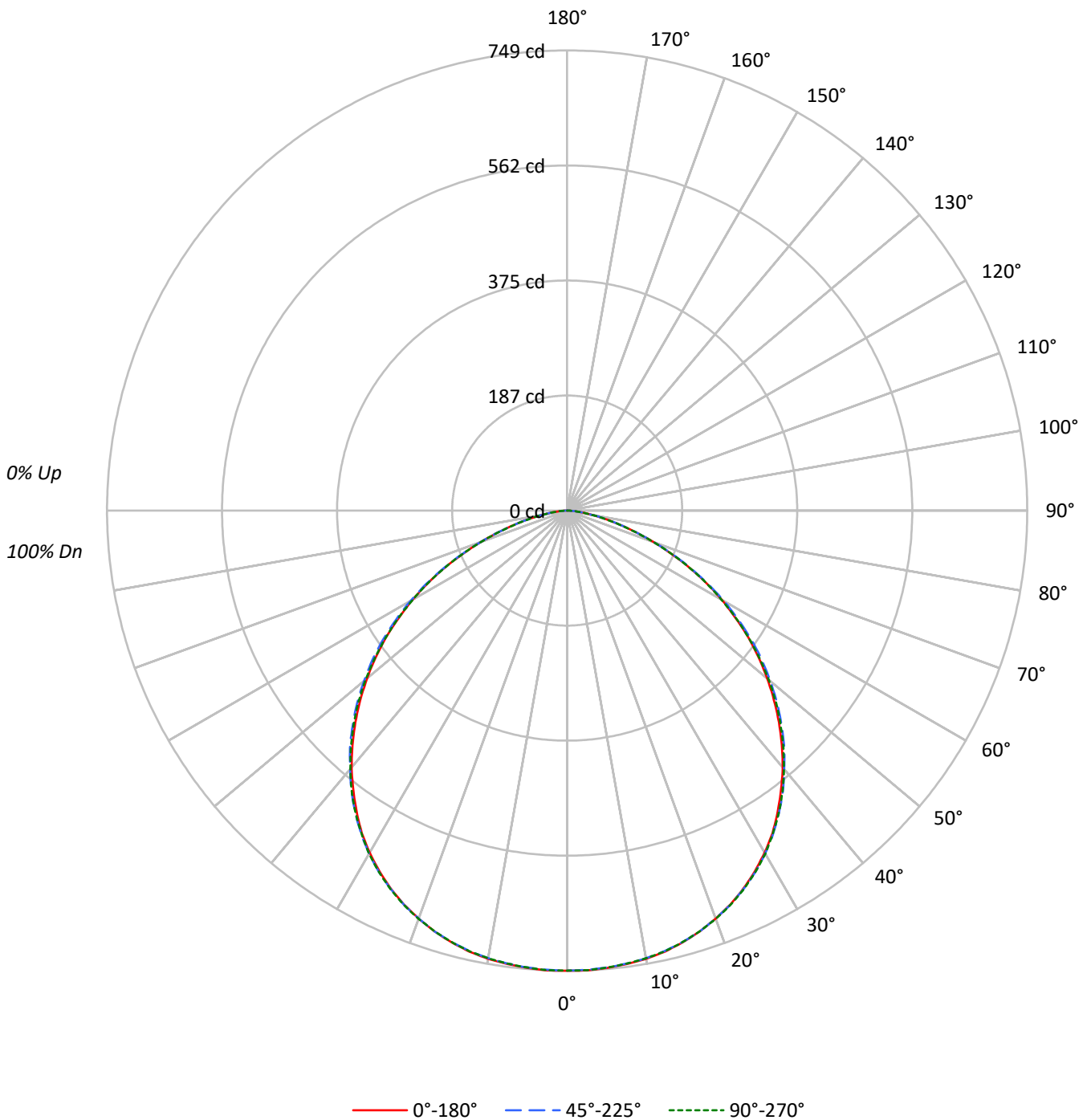
Lumens per Lamp: N/A
Luminaire Lumens: 2001.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93		95	92	90		91	89	88	85
2	100	92	86	80	98	90	85	80	87	82	78		84	80	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	72	64	57	82	71	63	57	69	62	56		66	60	56		64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49		60	53	48		58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43		54	48	43		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	36
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	31		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°	2194	2194	2194
5°	2197	2196	2196
10°	2204	2201	2201
15°	2207	2205	2205
20°	2204	2203	2205
25°	2195	2197	2199
30°	2175	2181	2182
35°	2138	2150	2149
40°	2088	2103	2100
45°	2020	2046	2035
50°	1938	1967	1951
55°	1840	1869	1842
60°	1705	1729	1699
65°	1521	1537	1519
70°	1280	1280	1271
75°	1003	1003	992
80°	734	726	722
85°	477	477	487



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.0	3.6
10°-20°	205.2	10.3
20°-30°	313.0	15.6
30°-40°	375.1	18.7
40°-50°	378.9	18.9
50°-60°	324.2	16.2
60°-70°	218.6	10.9
70°-80°	96.4	4.8
80°-90°	18.5	0.9
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°	589.3	29.4
0°-40°	964.4	48.2
0°-60°	1667.5	83.3
0°-90°	2001.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2001.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	749	749	749	749	749	
5°	747	746	747	746	747	71
15°	728	727	727	727	727	205
25°	679	680	680	680	680	313
35°	598	601	601	600	601	374
45°	487	491	494	493	491	376
55°	360	363	366	365	361	321
65°	219	221	222	221	219	217
75°	89	89	89	89	88	96
85°	14	14	14	14	14	18
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	748.8	748.8	748.8	748.8	748.8
2.5°	749.3	748.4	748.1	747.9	748.8
5°	747.1	746.1	746.6	746.1	746.6
7.5°	744.3	743.3	743.6	743.1	743.6
10°	740.9	739.8	739.8	739.3	739.8
12.5°	735.3	734.6	734.3	733.8	734.6
15°	727.5	727.3	726.8	726.6	727.0
17.5°	718.1	717.6	718.1	717.3	717.8
20°	706.8	707.1	706.6	706.8	707.1
22.5°	694.0	694.0	694.3	694.3	694.8
25°	678.8	679.5	679.5	679.5	680.1
27.5°	661.8	662.8	663.5	663.0	663.5
30°	642.8	644.5	644.7	644.5	645.0
32.5°	622.2	623.5	624.2	623.7	623.2
35°	597.7	601.2	601.0	600.4	600.7
37.5°	571.9	575.5	576.7	575.7	576.0
40°	545.9	549.0	549.7	549.9	549.0
42.5°	517.1	520.7	523.4	522.2	520.7
45°	487.4	491.1	493.7	492.9	491.1
47.5°	456.6	460.1	463.6	462.3	460.6
50°	425.1	428.6	431.6	431.1	428.1
52.5°	392.8	396.8	399.6	398.6	394.6
55°	360.1	363.3	365.8	365.3	360.6
57.5°	324.5	328.8	330.0	329.2	325.8
60°	290.9	293.8	295.0	294.0	290.0
62.5°	255.2	257.4	258.4	258.2	255.5
65°	219.4	221.2	221.7	221.2	219.1
67.5°	182.7	185.1	185.4	185.4	183.4
70°	149.4	150.1	149.4	151.4	148.4
72.5°	117.1	117.6	117.1	117.1	115.8
75°	88.6	88.8	88.6	88.8	87.6
77.5°	64.0	64.5	63.5	64.3	63.1
80°	43.5	43.5	43.0	43.3	42.8
82.5°	27.0	27.5	26.8	26.8	26.5
85°	14.2	14.2	14.2	14.5	14.5
87.5°	5.0	5.0	5.2	5.2	5.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)