

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: P506196

Luminaire Tested: **22PD-25-PR1-L830**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506196
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PD-25-PR1-L830
Description: 2500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

Summary

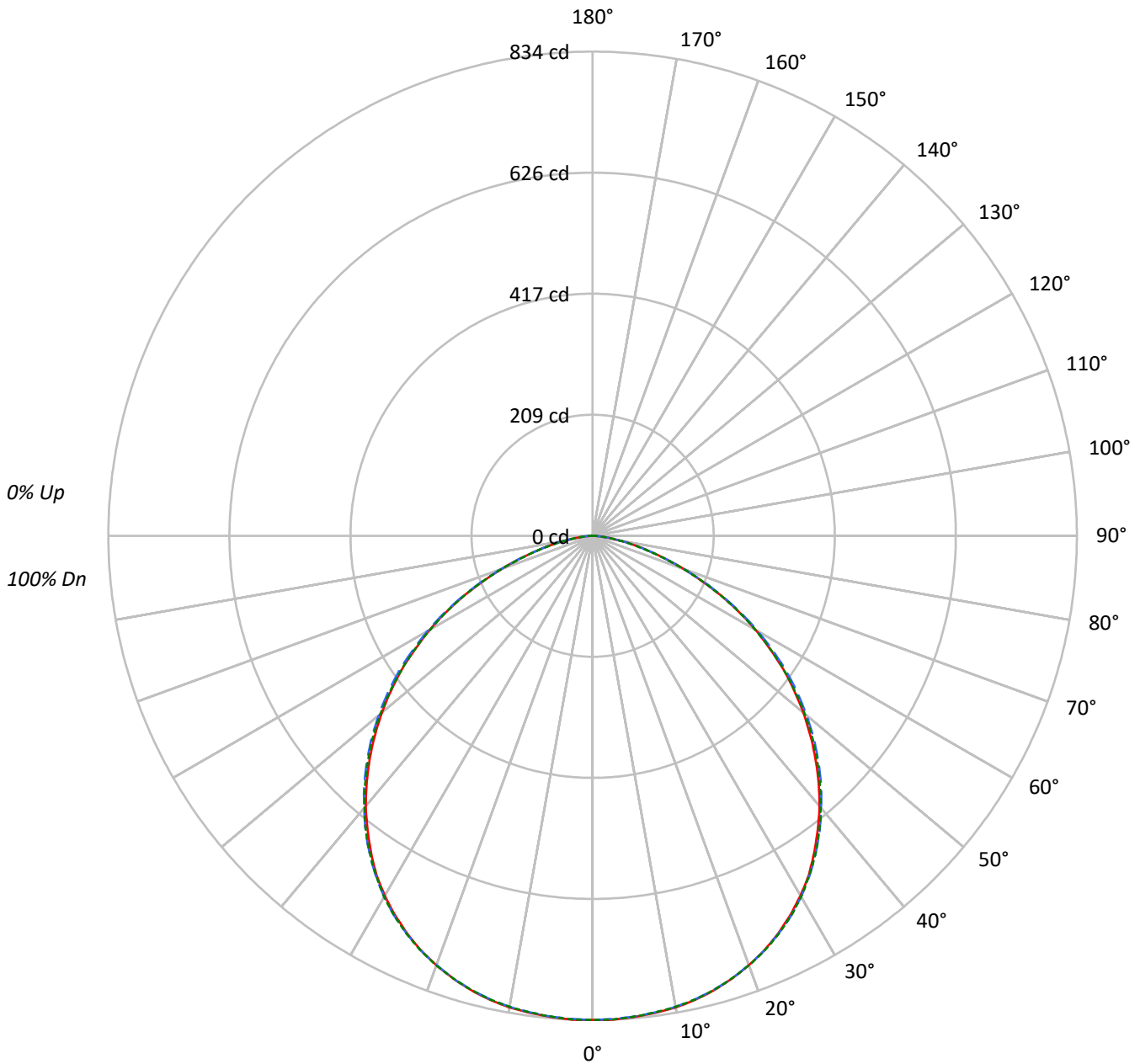
Lumens per Lamp: N/A
Luminaire Lumens: 2228.0 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 19.9
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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°	2244	2244	2244
5°	2247	2246	2246
10°	2254	2251	2251
15°	2257	2255	2255
20°	2254	2253	2255
25°	2244	2246	2248
30°	2224	2231	2232
35°	2186	2198	2197
40°	2135	2150	2147
45°	2065	2092	2081
50°	1981	2012	1996
55°	1881	1911	1883
60°	1744	1767	1738
65°	1556	1571	1554
70°	1308	1308	1300
75°	1025	1025	1014
80°	752	742	738
85°	491	491	500



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	3.6
10°-20°	228.5	10.3
20°-30°	348.5	15.6
30°-40°	417.7	18.7
40°-50°	421.9	18.9
50°-60°	360.9	16.2
60°-70°	243.4	10.9
70°-80°	107.4	4.8
80°-90°	20.6	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°	656.1	29.4
0°-40°	1073.8	48.2
0°-60°	1856.6	83.3
0°-90°	2228.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2228.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	834	834	834	834	834	
5°	832	831	831	831	831	79
15°	810	810	809	809	810	229
25°	756	757	757	757	757	348
35°	666	669	669	669	669	416
45°	543	547	550	549	547	418
55°	401	404	407	407	401	357
65°	244	246	247	246	244	241
75°	99	99	99	99	98	107
85°	16	16	16	16	16	21
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	833.8	833.8	833.8	833.8	833.8
2.5°	834.4	833.2	833.0	832.7	833.8
5°	831.8	830.7	831.3	830.7	831.3
7.5°	828.8	827.7	827.9	827.4	827.9
10°	824.9	823.8	823.8	823.2	823.8
12.5°	818.7	817.9	817.6	817.1	817.9
15°	810.1	809.8	809.3	809.0	809.6
17.5°	799.5	799.0	799.5	798.7	799.2
20°	787.0	787.3	786.7	787.0	787.3
22.5°	772.8	772.8	773.1	773.1	773.6
25°	755.8	756.6	756.6	756.6	757.2
27.5°	736.8	738.0	738.8	738.2	738.8
30°	715.7	717.6	717.9	717.6	718.2
32.5°	692.8	694.2	695.1	694.5	693.9
35°	665.5	669.4	669.2	668.6	668.9
37.5°	636.8	640.7	642.1	641.0	641.3
40°	607.9	611.2	612.0	612.3	611.2
42.5°	575.8	579.7	582.8	581.4	579.7
45°	542.7	546.9	549.6	548.8	546.9
47.5°	508.4	512.3	516.2	514.8	512.9
50°	473.3	477.2	480.6	480.0	476.7
52.5°	437.4	441.8	444.9	443.8	439.3
55°	400.9	404.5	407.3	406.7	401.4
57.5°	361.3	366.1	367.4	366.6	362.7
60°	324.0	327.1	328.4	327.3	322.9
62.5°	284.2	286.7	287.8	287.5	284.4
65°	244.3	246.3	246.8	246.3	244.0
67.5°	203.4	206.1	206.4	206.4	204.2
70°	166.3	167.1	166.3	168.5	165.2
72.5°	130.4	130.9	130.4	130.4	129.0
75°	98.6	98.9	98.6	98.9	97.5
77.5°	71.3	71.9	70.8	71.6	70.2
80°	48.5	48.5	47.9	48.2	47.6
82.5°	30.1	30.6	29.8	29.8	29.5
85°	15.9	15.9	15.9	16.2	16.2
87.5°	5.6	5.6	5.9	5.9	5.6
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)