

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: P506440

Luminaire Tested: **22PD-70-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506440
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-70-PR1-L835
Description: 7000 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

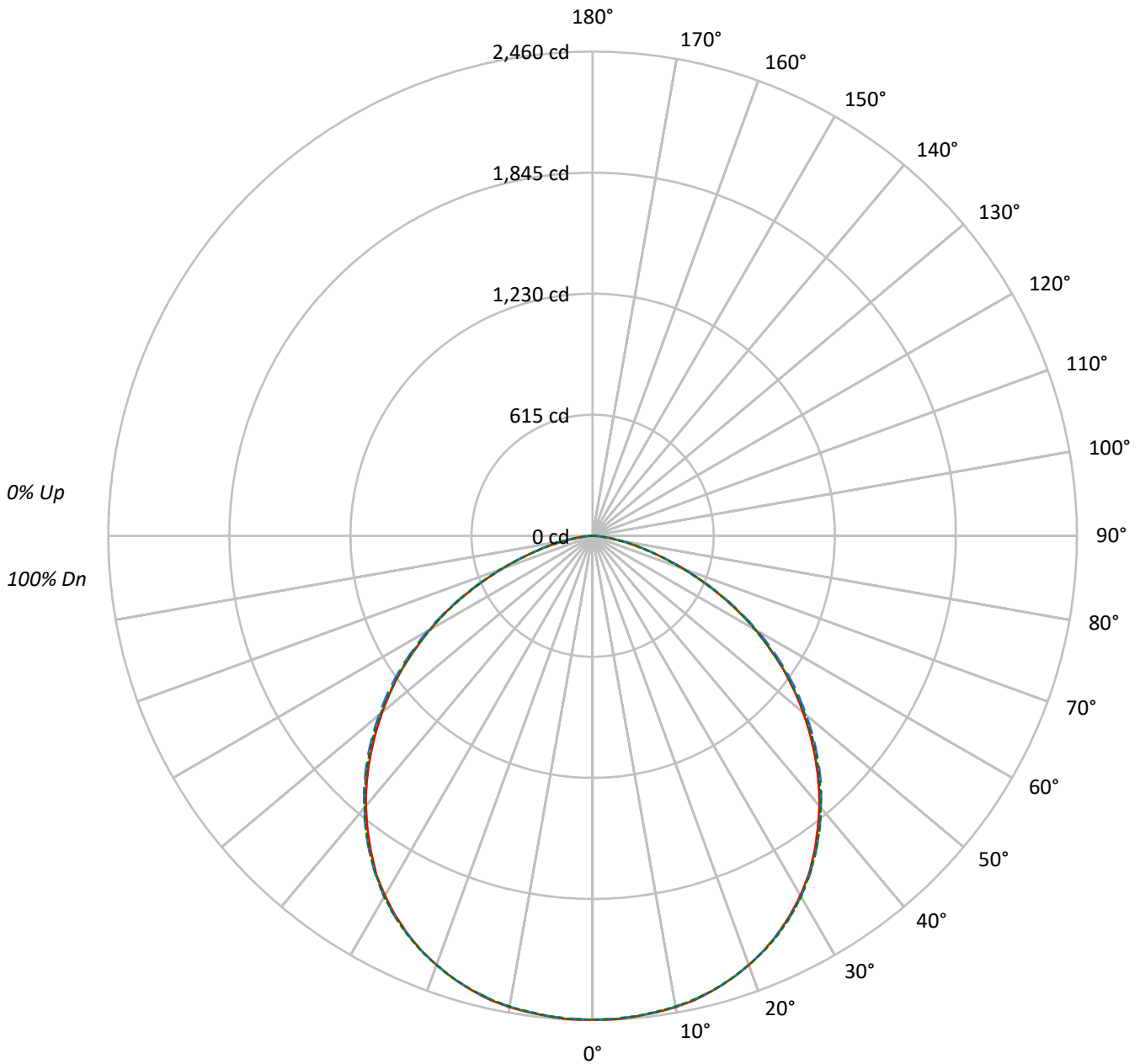
Lumens per Lamp: N/A
Luminaire Lumens: 6569.0 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 63.9
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

TEST NUMBER: P506440

CATALOG NUMBER: 22PD-70-PR1-L835

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°	6615	6615	6615
5°	6625	6621	6621
10°	6646	6637	6637
15°	6654	6647	6650
20°	6645	6642	6647
25°	6616	6624	6629
30°	6557	6577	6580
35°	6446	6481	6479
40°	6296	6339	6330
45°	6089	6167	6136
50°	5842	5932	5884
55°	5545	5634	5553
60°	5141	5212	5124
65°	4586	4634	4581
70°	3858	3858	3832
75°	3023	3023	2989
80°	2214	2190	2177
85°	1445	1445	1470



TEST NUMBER: P506440

CATALOG NUMBER: 22PD-70-PR1-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	233.2	3.6
10°-20°	673.7	10.3
20°-30°	1027.6	15.6
30°-40°	1231.6	18.7
40°-50°	1243.8	18.9
50°-60°	1064.2	16.2
60°-70°	717.6	10.9
70°-80°	316.6	4.8
80°-90°	60.8	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°	1934.5	29.4
0°-40°	3166.1	48.2
0°-60°	5474.0	83.3
0°-90°	6569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6569.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2458	2458	2458	2458	2458	
5°	2453	2449	2451	2449	2451	233
15°	2388	2388	2386	2385	2387	674
25°	2228	2231	2231	2231	2232	1026
35°	1962	1974	1973	1971	1972	1226
45°	1600	1612	1621	1618	1612	1233
55°	1182	1193	1201	1199	1184	1053
65°	720	726	728	726	720	712
75°	291	292	291	292	288	317
85°	47	47	47	48	48	61
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2458.3	2458.3	2458.3	2458.3	2458.3
2.5°	2460.0	2456.7	2455.9	2455.1	2458.3
5°	2452.6	2449.3	2450.9	2449.3	2450.9
7.5°	2443.6	2440.3	2441.1	2439.5	2441.1
10°	2432.1	2428.8	2428.8	2427.1	2428.8
12.5°	2414.0	2411.5	2410.7	2409.1	2411.5
15°	2388.5	2387.7	2386.1	2385.2	2386.9
17.5°	2357.3	2355.7	2357.3	2354.9	2356.5
20°	2320.4	2321.2	2319.5	2320.4	2321.2
22.5°	2278.5	2278.5	2279.3	2279.3	2280.9
25°	2228.4	2230.8	2230.8	2230.8	2232.5
27.5°	2172.5	2175.8	2178.3	2176.6	2178.3
30°	2110.1	2115.8	2116.7	2115.8	2117.5
32.5°	2042.7	2046.8	2049.3	2047.7	2046.0
35°	1962.2	1973.7	1972.9	1971.3	1972.1
37.5°	1877.6	1889.1	1893.2	1890.0	1890.8
40°	1792.2	1802.1	1804.5	1805.4	1802.1
42.5°	1697.8	1709.3	1718.3	1714.2	1709.3
45°	1600.0	1612.3	1620.6	1618.1	1612.3
47.5°	1499.0	1510.5	1522.0	1517.9	1512.1
50°	1395.5	1407.0	1416.9	1415.2	1405.4
52.5°	1289.5	1302.7	1311.7	1308.4	1295.3
55°	1181.9	1192.6	1200.8	1199.2	1183.6
57.5°	1065.3	1079.3	1083.4	1080.9	1069.4
60°	955.2	964.3	968.4	965.1	952.0
62.5°	837.8	845.2	848.5	847.6	838.6
65°	720.3	726.1	727.7	726.1	719.5
67.5°	599.6	607.8	608.6	608.6	602.1
70°	490.4	492.8	490.4	496.9	487.1
72.5°	384.4	386.0	384.4	384.4	380.3
75°	290.8	291.6	290.8	291.6	287.5
77.5°	210.3	211.9	208.6	211.1	207.0
80°	142.9	142.9	141.3	142.1	140.5
82.5°	88.7	90.4	87.9	87.9	87.1
85°	46.8	46.8	46.8	47.6	47.6
87.5°	16.4	16.4	17.2	17.2	16.4
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)