

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: P506305

Luminaire Tested: **22PD-45-PR1-L835**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506305
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-45-PR1-L835
Description: 4500 LUMEN, 2X2 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

Summary

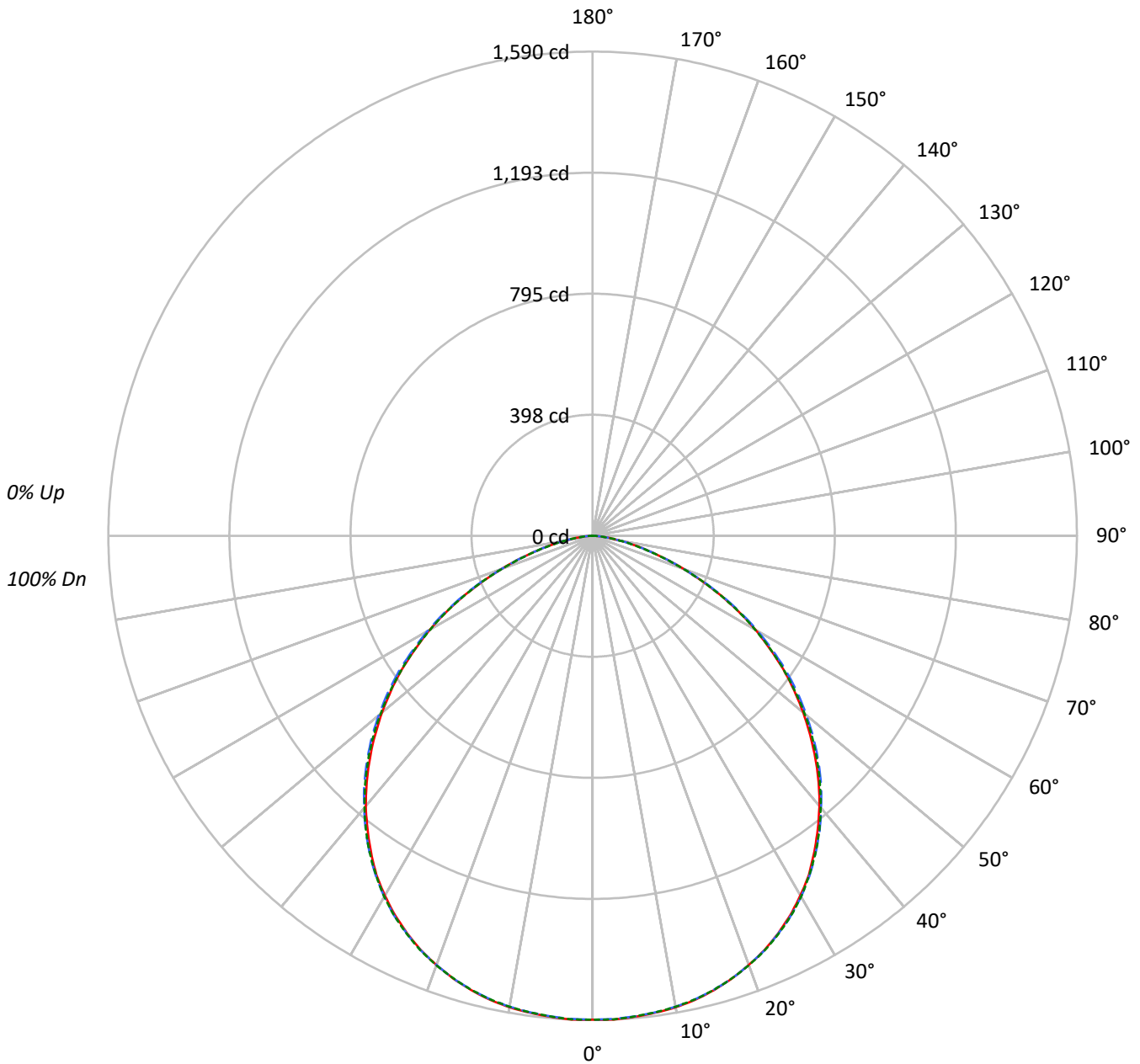
Lumens per Lamp: N/A
Luminaire Lumens: 4247.0 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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°	4277	4277	4277
5°	4283	4280	4280
10°	4297	4291	4291
15°	4302	4298	4299
20°	4296	4294	4298
25°	4278	4282	4285
30°	4239	4252	4254
35°	4167	4190	4188
40°	4070	4098	4093
45°	3937	3987	3967
50°	3777	3835	3804
55°	3585	3643	3590
60°	3324	3370	3313
65°	2965	2996	2962
70°	2494	2494	2478
75°	1955	1955	1933
80°	1432	1415	1407
85°	936	936	951



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.8	3.6
10°-20°	435.6	10.3
20°-30°	664.4	15.6
30°-40°	796.2	18.7
40°-50°	804.1	18.9
50°-60°	688.0	16.2
60°-70°	464.0	10.9
70°-80°	204.7	4.8
80°-90°	39.3	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°	1250.7	29.4
0°-40°	2046.9	48.2
0°-60°	3539.1	83.3
0°-90°	4247.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1589	1589	1589	1589	1589	
5°	1586	1584	1585	1584	1585	151
15°	1544	1544	1543	1542	1543	436
25°	1441	1442	1442	1442	1443	664
35°	1269	1276	1276	1274	1275	793
45°	1034	1042	1048	1046	1042	797
55°	764	771	776	775	765	681
65°	466	469	470	469	465	460
75°	188	188	188	188	186	205
85°	30	30	30	31	31	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1589.4	1589.4	1589.4	1589.4	1589.4
2.5°	1590.4	1588.3	1587.8	1587.2	1589.4
5°	1585.7	1583.5	1584.6	1583.5	1584.6
7.5°	1579.8	1577.7	1578.2	1577.2	1578.2
10°	1572.4	1570.3	1570.3	1569.2	1570.3
12.5°	1560.7	1559.1	1558.6	1557.5	1559.1
15°	1544.2	1543.7	1542.6	1542.1	1543.2
17.5°	1524.1	1523.0	1524.1	1522.5	1523.5
20°	1500.2	1500.7	1499.6	1500.2	1500.7
22.5°	1473.1	1473.1	1473.6	1473.6	1474.7
25°	1440.7	1442.3	1442.3	1442.3	1443.3
27.5°	1404.6	1406.7	1408.3	1407.2	1408.3
30°	1364.2	1367.9	1368.5	1367.9	1369.0
32.5°	1320.7	1323.3	1324.9	1323.9	1322.8
35°	1268.6	1276.1	1275.5	1274.5	1275.0
37.5°	1213.9	1221.4	1224.0	1221.9	1222.4
40°	1158.7	1165.1	1166.7	1167.2	1165.1
42.5°	1097.6	1105.1	1110.9	1108.3	1105.1
45°	1034.4	1042.4	1047.7	1046.1	1042.4
47.5°	969.1	976.6	984.0	981.3	977.6
50°	902.2	909.7	916.0	915.0	908.6
52.5°	833.7	842.2	848.1	845.9	837.4
55°	764.2	771.1	776.4	775.3	765.2
57.5°	688.7	697.8	700.4	698.8	691.4
60°	617.6	623.4	626.1	624.0	615.5
62.5°	541.7	546.4	548.6	548.0	542.2
65°	465.7	469.4	470.5	469.4	465.2
67.5°	387.7	393.0	393.5	393.5	389.2
70°	317.0	318.6	317.0	321.3	314.9
72.5°	248.5	249.6	248.5	248.5	245.9
75°	188.0	188.5	188.0	188.5	185.9
77.5°	135.9	137.0	134.9	136.5	133.8
80°	92.4	92.4	91.3	91.9	90.8
82.5°	57.4	58.4	56.8	56.8	56.3
85°	30.3	30.3	30.3	30.8	30.8
87.5°	10.6	10.6	11.2	11.2	10.6
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)