

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: P506665

Luminaire Tested: **24PD-45-PW1-L835**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-45-PW1-L835
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 80 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

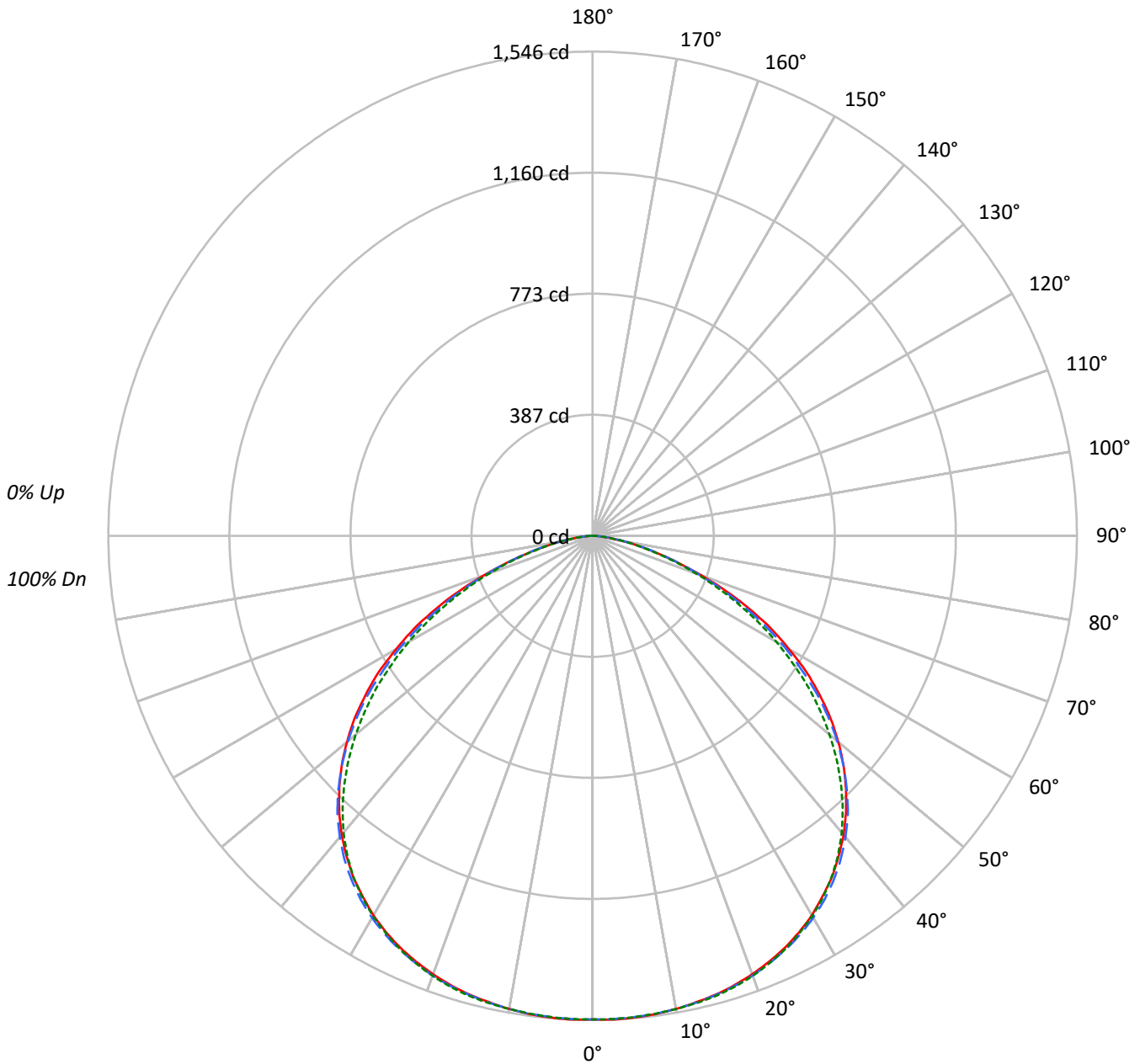
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4529.4 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
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				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	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	86	81	77	83	79	75	80	77	74	71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2078	2078	2078
5°	2086	2083	2083
10°	2096	2096	2097
15°	2113	2115	2119
20°	2133	2140	2141
25°	2155	2165	2162
30°	2175	2189	2179
35°	2187	2204	2185
40°	2190	2206	2173
45°	2177	2185	2132
50°	2143	2133	2066
55°	2075	2041	1968
60°	1948	1898	1824
65°	1757	1693	1624
70°	1448	1426	1374
75°	1107	1119	1074
80°	769	792	775
85°	460	479	466



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.0	3.2
10°-20°	429.4	9.5
20°-30°	671.5	14.8
30°-40°	835.3	18.4
40°-50°	877.8	19.4
50°-60°	770.5	17.0
60°-70°	524.7	11.6
70°-80°	231.5	5.1
80°-90°	41.7	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°	1247.9	27.6
0°-40°	2083.2	46.0
0°-60°	3731.6	82.4
0°-90°	4529.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4529.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1544	1544	1544	1544	1544	
5°	1544	1544	1542	1541	1542	147
15°	1517	1519	1518	1518	1521	429
25°	1452	1456	1458	1457	1456	669
35°	1332	1338	1342	1335	1330	832
45°	1144	1151	1148	1129	1121	881
55°	884	881	870	847	839	788
65°	552	539	532	520	510	544
75°	213	214	215	211	206	233
85°	30	31	31	31	30	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1544.5	1544.5	1544.5	1544.5	1544.5
2.5°	1546.3	1545.4	1544.5	1543.3	1544.5
5°	1544.1	1543.7	1542.4	1540.7	1542.4
7.5°	1540.7	1540.7	1539.4	1538.1	1538.9
10°	1534.2	1535.5	1534.2	1532.9	1534.6
12.5°	1525.6	1527.7	1527.3	1527.3	1528.6
15°	1517.0	1518.7	1518.2	1518.2	1521.3
17.5°	1504.9	1507.0	1507.5	1508.3	1510.1
20°	1489.8	1492.8	1494.5	1494.1	1495.4
22.5°	1472.1	1475.6	1476.8	1477.7	1476.8
25°	1451.8	1455.7	1458.3	1457.4	1456.2
27.5°	1427.3	1431.6	1435.0	1432.9	1430.3
30°	1399.7	1403.5	1408.7	1404.8	1402.3
32.5°	1365.6	1372.9	1377.7	1372.9	1369.1
35°	1331.5	1337.6	1341.9	1335.4	1330.2
37.5°	1290.1	1297.5	1301.4	1292.3	1286.7
40°	1246.6	1253.9	1256.1	1244.4	1237.1
42.5°	1197.0	1205.2	1206.1	1189.7	1181.5
45°	1144.0	1151.3	1148.3	1129.3	1120.7
47.5°	1086.6	1091.8	1085.3	1065.9	1056.4
50°	1023.7	1026.7	1018.9	996.1	987.0
52.5°	957.3	956.8	946.9	924.1	914.1
55°	884.4	880.9	870.2	847.3	839.1
57.5°	809.8	799.0	787.4	768.0	757.2
60°	724.0	715.8	705.4	686.0	677.8
62.5°	642.9	628.3	619.6	602.4	595.1
65°	551.9	538.6	531.7	520.0	510.1
67.5°	460.5	450.2	445.4	437.2	428.2
70°	368.2	365.2	362.6	354.9	349.3
72.5°	286.7	285.9	285.5	281.1	275.5
75°	213.0	214.3	215.2	211.3	206.5
77.5°	151.8	153.9	153.5	151.4	150.1
80°	99.2	100.9	102.2	100.0	100.0
82.5°	59.9	61.7	61.2	62.1	60.4
85°	29.8	31.0	31.0	30.6	30.2
87.5°	10.8	11.2	10.8	11.2	10.8
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)