

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: P506670

Luminaire Tested: **24PD-45-PW1-L935**

Issue Date: 3/26/2021

Test Information

Test Method: LM-79-08
Report Number: P506670
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-L935
Description: 4500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3500K LEDS
Light Source: -
Ballast/Driver: -

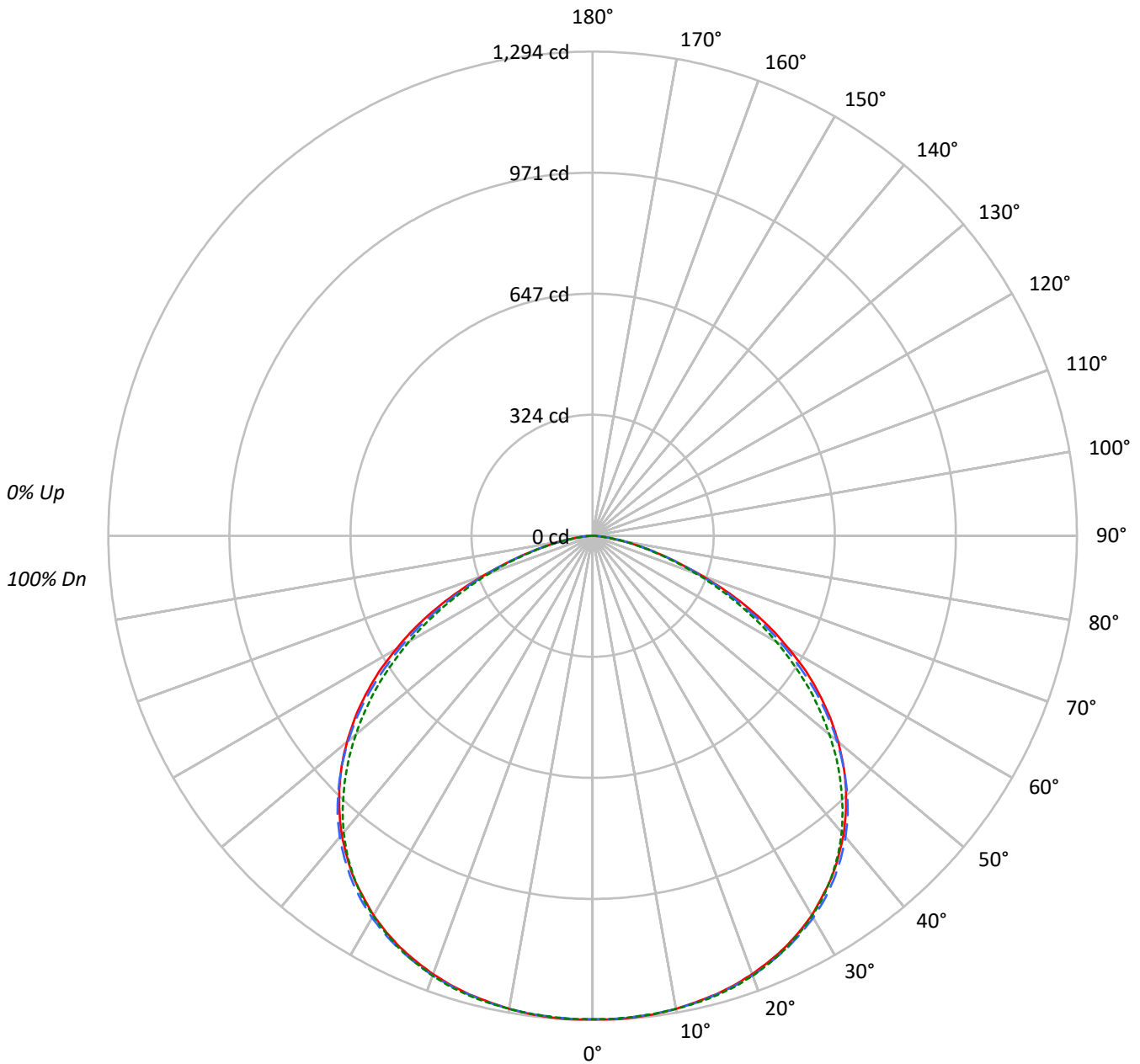
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3789.7 lumens
Efficiency: N/A
Efficacy: 114.8 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									
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	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°	1739	1739	1739
5°	1745	1743	1743
10°	1754	1754	1754
15°	1768	1769	1773
20°	1785	1791	1792
25°	1803	1811	1809
30°	1819	1831	1823
35°	1830	1844	1828
40°	1832	1846	1818
45°	1821	1828	1784
50°	1793	1784	1729
55°	1736	1708	1647
60°	1630	1588	1526
65°	1470	1416	1359
70°	1212	1194	1149
75°	926	936	898
80°	643	662	649
85°	384	401	391



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	3.2
10°-20°	359.3	9.5
20°-30°	561.9	14.8
30°-40°	698.9	18.4
40°-50°	734.5	19.4
50°-60°	644.7	17.0
60°-70°	439.0	11.6
70°-80°	193.7	5.1
80°-90°	34.9	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°	1044.1	27.6
0°-40°	1743.0	46.0
0°-60°	3122.2	82.4
0°-90°	3789.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3789.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1292	1292	1290	1289	1290	123
15°	1269	1271	1270	1270	1273	359
25°	1215	1218	1220	1219	1218	560
35°	1114	1119	1123	1117	1113	696
45°	957	963	961	945	938	737
55°	740	737	728	709	702	659
65°	462	451	445	435	427	455
75°	178	179	180	177	173	195
85°	25	26	26	26	25	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.3	1292.3	1292.3	1292.3	1292.3
2.5°	1293.8	1293.0	1292.3	1291.2	1292.3
5°	1292.0	1291.6	1290.5	1289.1	1290.5
7.5°	1289.1	1289.1	1288.0	1286.9	1287.6
10°	1283.7	1284.7	1283.7	1282.6	1284.0
12.5°	1276.4	1278.3	1277.9	1277.9	1279.0
15°	1269.2	1270.7	1270.3	1270.3	1272.8
17.5°	1259.1	1260.9	1261.3	1262.0	1263.5
20°	1246.5	1249.0	1250.5	1250.1	1251.2
22.5°	1231.7	1234.6	1235.7	1236.4	1235.7
25°	1214.8	1218.0	1220.2	1219.4	1218.4
27.5°	1194.2	1197.8	1200.7	1198.9	1196.7
30°	1171.1	1174.3	1178.7	1175.4	1173.3
32.5°	1142.6	1148.7	1152.7	1148.7	1145.5
35°	1114.1	1119.1	1122.8	1117.3	1113.0
37.5°	1079.5	1085.6	1088.8	1081.3	1076.6
40°	1043.0	1049.2	1051.0	1041.2	1035.1
42.5°	1001.5	1008.4	1009.1	995.4	988.5
45°	957.2	963.3	960.8	944.9	937.7
47.5°	909.2	913.5	908.1	891.9	883.9
50°	856.5	859.0	852.5	833.4	825.8
52.5°	800.9	800.6	792.3	773.2	764.9
55°	740.0	737.1	728.1	708.9	702.1
57.5°	677.5	668.5	658.8	642.6	633.5
60°	605.8	598.9	590.2	574.0	567.1
62.5°	537.9	525.7	518.4	504.0	497.9
65°	461.8	450.6	444.8	435.1	426.8
67.5°	385.3	376.7	372.7	365.8	358.3
70°	308.1	305.6	303.4	296.9	292.2
72.5°	239.9	239.2	238.8	235.2	230.5
75°	178.2	179.3	180.0	176.8	172.8
77.5°	127.0	128.8	128.4	126.6	125.6
80°	83.0	84.4	85.5	83.7	83.7
82.5°	50.1	51.6	51.2	52.0	50.5
85°	24.9	26.0	26.0	25.6	25.3
87.5°	9.0	9.4	9.0	9.4	9.0
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)