

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: P506609

Luminaire Tested: **24PD-35-PR1-L950**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-35-PR1-L950
Description: 3500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH RIPPLE LENS AND 90 CRI,
5000K LEDS
Light Source: -
Ballast/Driver: -

Summary

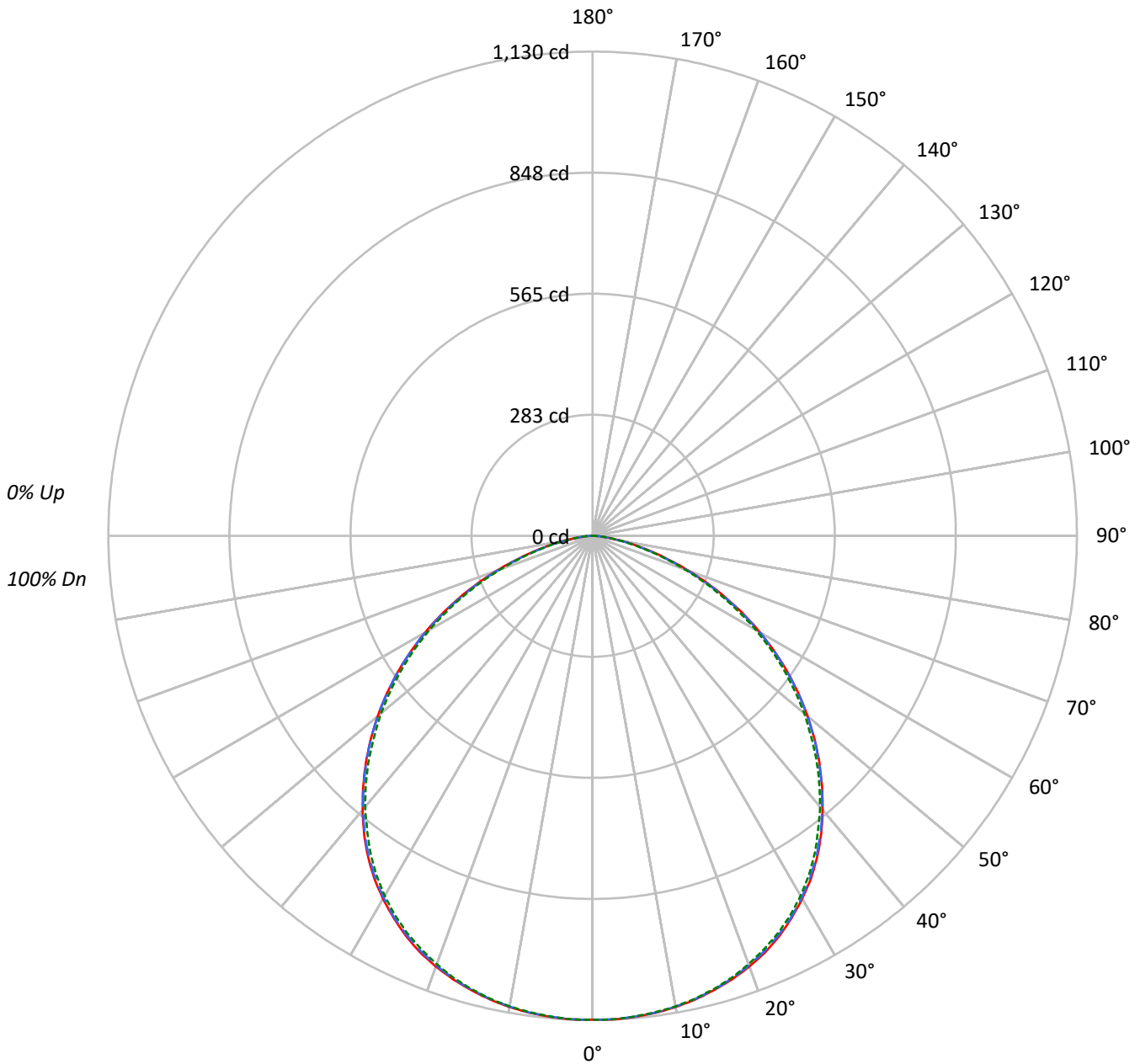
Lumens per Lamp: N/A
Luminaire Lumens: 3041.0 lumens
Efficiency: N/A
Efficacy: 120.2 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85			
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61			
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52			
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35			
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1520	1520	1520
5°	1522	1522	1521
10°	1526	1524	1524
15°	1529	1527	1525
20°	1532	1528	1523
25°	1530	1526	1519
30°	1520	1516	1507
35°	1501	1497	1485
40°	1466	1463	1450
45°	1423	1421	1405
50°	1370	1370	1349
55°	1303	1300	1276
60°	1214	1210	1182
65°	1094	1081	1056
70°	934	921	897
75°	739	722	705
80°	525	511	495
85°	315	306	298



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	3.5
10°-20°	309.5	10.2
20°-30°	473.2	15.6
30°-40°	568.3	18.7
40°-50°	574.3	18.9
50°-60°	493.4	16.2
60°-70°	336.6	11.1
70°-80°	151.3	5.0
80°-90°	27.2	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°	889.9	29.3
0°-40°	1458.2	48.0
0°-60°	2525.9	83.1
0°-90°	3041.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3041.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1130	1130	1130	1130	1130	
5°	1127	1127	1127	1126	1126	107
15°	1098	1097	1096	1095	1095	310
25°	1031	1030	1028	1024	1023	475
35°	914	914	911	906	904	571
45°	748	750	747	742	738	576
55°	555	558	554	549	544	496
65°	344	345	340	337	332	340
75°	142	143	139	138	136	154
85°	20	21	20	20	19	28
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1129.6	1129.6	1129.6	1129.6	1129.6
2.5°	1129.9	1129.6	1129.3	1128.7	1129.6
5°	1127.2	1126.9	1126.6	1126.1	1126.1
7.5°	1123.1	1122.6	1122.6	1121.7	1121.4
10°	1116.7	1116.4	1115.6	1115.6	1115.3
12.5°	1108.6	1108.0	1107.1	1106.8	1106.2
15°	1097.5	1097.2	1096.0	1095.1	1094.8
17.5°	1084.9	1084.1	1083.2	1081.1	1081.1
20°	1069.8	1069.2	1067.1	1065.1	1063.9
22.5°	1052.3	1051.1	1048.8	1046.7	1044.4
25°	1030.7	1030.4	1027.8	1024.3	1023.4
27.5°	1005.6	1006.2	1003.5	1000.0	998.3
30°	978.2	979.3	975.5	971.2	970.3
32.5°	948.1	948.4	945.2	940.5	938.8
35°	914.0	914.0	911.1	905.5	903.8
37.5°	876.1	875.8	874.0	867.6	864.4
40°	834.9	836.4	832.9	827.0	825.6
42.5°	792.3	794.1	790.9	785.9	782.7
45°	748.0	750.0	746.8	741.6	738.4
47.5°	702.2	703.6	701.3	694.6	690.2
50°	654.6	657.6	654.3	647.3	644.4
52.5°	605.6	608.8	605.0	599.8	594.2
55°	555.4	557.5	554.3	549.3	543.8
57.5°	503.8	507.9	502.6	496.8	492.1
60°	451.3	454.8	449.6	444.3	439.3
62.5°	397.9	400.2	394.4	391.2	385.4
65°	343.7	345.4	339.6	337.2	331.7
67.5°	290.0	291.4	285.9	282.7	279.5
70°	237.5	238.6	234.0	231.0	228.1
72.5°	187.9	188.2	183.8	182.9	179.4
75°	142.1	143.2	138.9	138.0	135.7
77.5°	102.1	102.4	99.5	98.9	96.9
80°	67.7	68.0	65.9	65.6	63.9
82.5°	40.8	41.1	39.4	39.4	38.2
85°	20.4	20.7	19.8	19.8	19.3
87.5°	7.0	7.3	7.0	7.0	6.7
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)