

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: PORTFOLIO

Report Number: P250706

Luminaire Tested: **LD8B175D010 ER8B1759730 8LBN0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250706
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P131425)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B1759730 8LBN0MW
Description: PORTFOLIO 8 INCH NARROW DISTRIBUTION 50 DEGREE CUTOFF RECESSED
DOWNLIGHT
97 CRI 3000 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12090.0 lumens
Efficiency: N/A
Efficacy: 68.2 lumens/watt
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.85
Luminous Opening: Point Source (0' x 0' x 0')
CIE Type: Direct

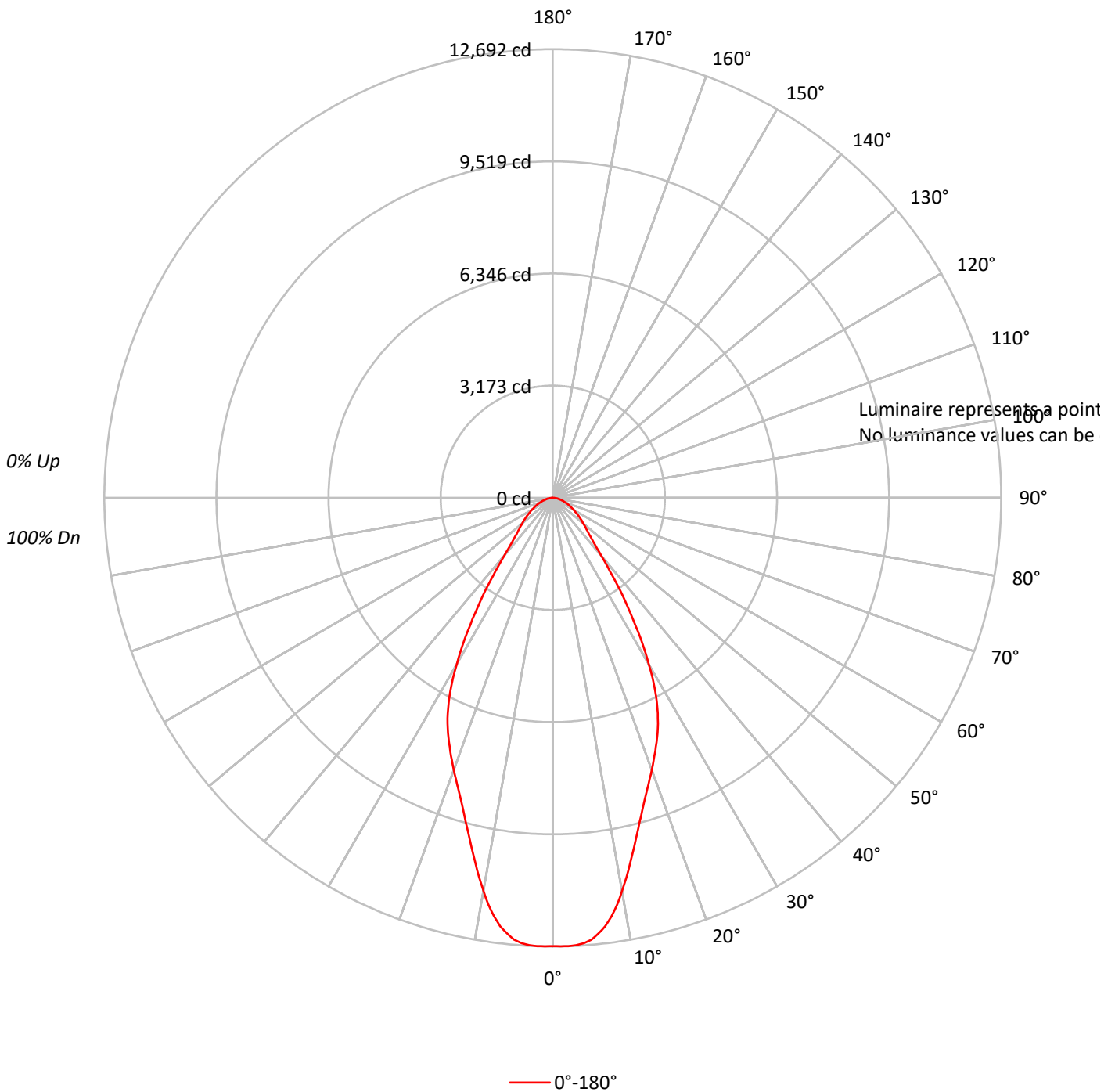
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98		98	97	95		95	94	92	90
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88	86	83	82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76	74
4	93	84	77	72	91	83	76	72	80	75	71		78	74	70		76	72	69	67
5	87	78	71	66	85	77	70	65	75	69	65		73	68	64		71	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	56	76	67	60	55	65	59	55		64	59	55		63	58	54	53
8	74	63	56	52	72	62	56	51	61	55	51		60	55	51		59	54	51	49
9	70	59	53	48	69	59	52	48	58	52	48		57	51	48		56	51	47	46
10	66	56	49	45	65	55	49	45	54	49	45		54	48	45		53	48	45	43

AVERAGE LUMINANCE (cd/sqm):





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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1157.9	9.6
10°-20°	2671.6	22.1
20°-30°	3184.2	26.3
30°-40°	2247.6	18.6
40°-50°	1160.7	9.6
50°-60°	796.5	6.6
60°-70°	517.9	4.3
70°-80°	271.1	2.2
80°-90°	82.4	0.7
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°	7013.7	58.0
0°-40°	9261.4	76.6
0°-60°	11218.7	92.8
0°-90°	12090.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12090.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12684	
5°	12545	###
15°	9502	2672
25°	7048	3184
35°	3572	2248
45°	1450	1161
55°	883	797
65°	521	518
75°	251	271
85°	70	82
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	12684.0
1°	12691.8
2°	12691.8
3°	12672.4
4°	12630.0
5°	12545.1
6°	12394.7
7°	12209.5
8°	11954.8
9°	11646.4
10°	11299.2
11°	10932.6
12°	10550.6
13°	10184.3
14°	9829.3
15°	9501.5
16°	9196.7
17°	8915.1
18°	8660.5
19°	8421.3
20°	8189.8
21°	7962.2
22°	7738.5
23°	7514.8
24°	7287.2
25°	7048.0
26°	6777.8
27°	6484.7
28°	6164.6
29°	5825.1
30°	5439.2
31°	5065.1
32°	4683.1
33°	4289.7
34°	3927.0
35°	3572.3
37.5°	2750.6
40°	2117.9
42.5°	1705.1
45°	1450.5
47.5°	1269.1
50°	1126.5
52.5°	1003.0
55°	883.4
57.5°	775.5



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CANDELA DISTRIBUTION (continued):

	0°
60°	686.6
62.5°	598.0
65°	520.8
67.5°	451.3
70°	362.7
72.5°	312.5
75°	250.8
77.5°	204.4
80°	158.1
82.5°	115.7
85°	69.5
87.5°	38.5
90°	0.0

(END OF REPORT)