

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: P250524

Luminaire Tested: **LD8B175D010 ER8B175950 8LBM0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P250524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14005)
Test Lab: INNOVATION CENTER-P1
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175950 8LBM0GPH
Description: PORTFOLIO 8 INCH MEDIUM DISTRIBUTION 55 DEG CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14651.1 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Spacing Criteria (0/90/45): 0.82 / 0.82 / 0.87
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

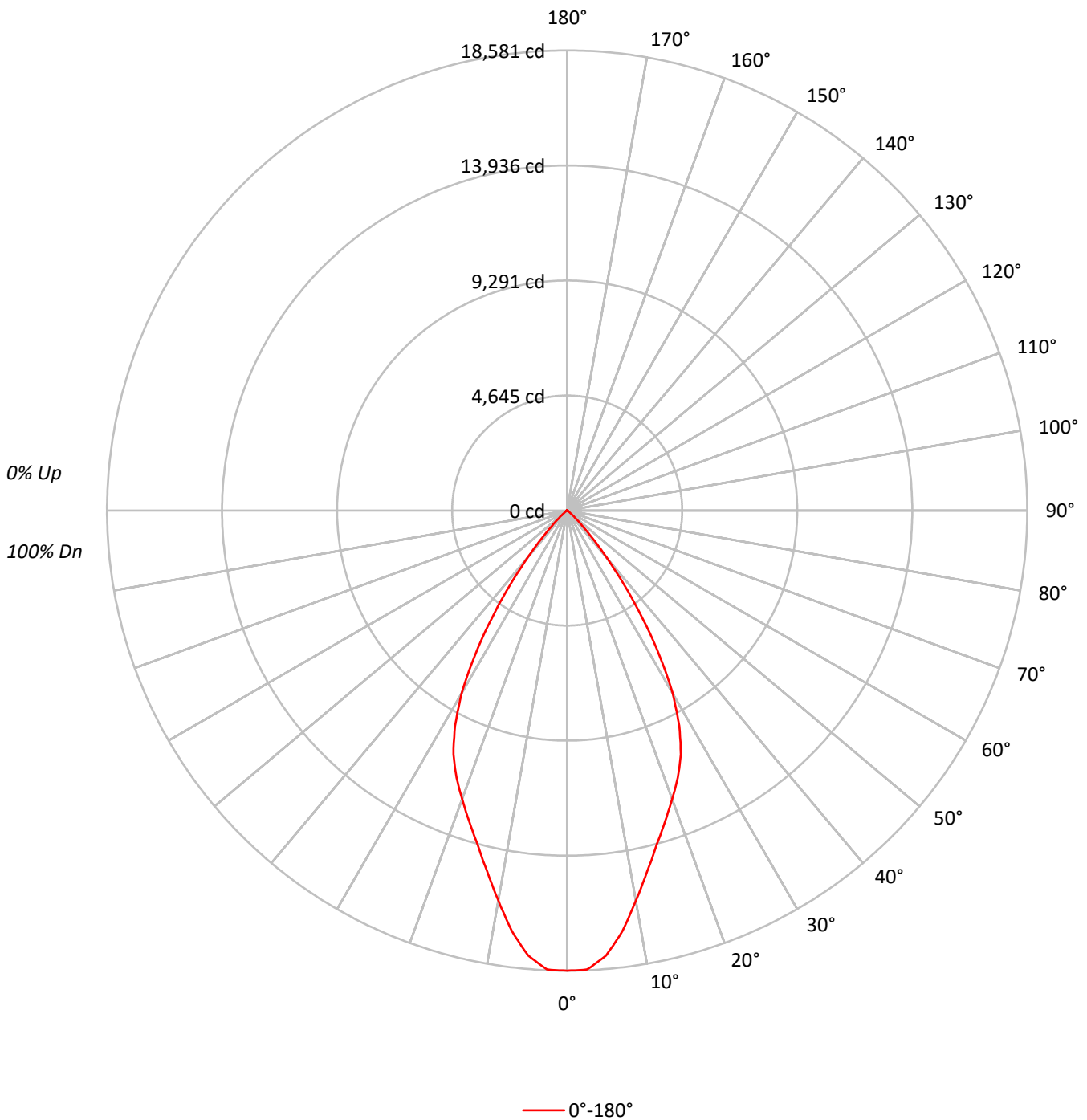
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76
5	93	85	79	75	91	84	78	74	82	77	74	80	76	73	79	75	72	71
6	88	79	73	69	87	79	73	69	77	72	69	76	71	68	74	71	68	66
7	84	75	69	65	82	74	68	64	73	68	64	72	67	64	70	66	63	62
8	80	70	64	60	79	70	64	60	69	64	60	68	63	60	67	63	59	58
9	76	66	61	57	75	66	60	57	65	60	56	64	59	56	63	59	56	55
10	72	63	57	53	71	62	57	53	62	57	53	61	56	53	60	56	53	51

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	572979
5°	558493
10°	500660
15°	445909
20°	406779
25°	369583
30°	303052
35°	199446
40°	99492
45°	37029
50°	11250
55°	1360
60°	783
65°	0
70°	577
75°	2276
80°	0
85°	2264



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1654.3	11.3
10°-20°	3933.2	26.8
20°-30°	4900.1	33.4
30°-40°	3305.2	22.6
40°-50°	781.6	5.3
50°-60°	57.2	0.4
60°-70°	10.2	0.1
70°-80°	7.6	0.1
80°-90°	1.7	0.0
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°	10487.6	71.6
0°-40°	13792.9	94.1
0°-60°	14631.6	99.9
0°-90°	14651.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14651.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18581	
5°	18043	###
15°	13968	3933
25°	10862	4900
35°	5298	3305
45°	849	782
55°	25	57
65°	0	10
75°	19	8
85°	6	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	18581.3
2.5°	18549.7
5°	18042.6
7.5°	17123.7
10°	15989.4
12.5°	14918.3
15°	13967.8
17.5°	13150.1
20°	12396.0
22.5°	11673.6
25°	10862.4
27.5°	9804.1
30°	8511.1
32.5°	6945.9
35°	5298.2
37.5°	3789.8
40°	2471.6
42.5°	1476.7
45°	849.1
47.5°	475.3
50°	234.5
52.5°	107.8
55°	25.3
57.5°	6.4
60°	12.7
62.5°	19.1
65°	0.0
67.5°	12.7
70°	6.4
72.5°	6.4
75°	19.1
77.5°	0.0
80°	0.0
82.5°	0.0
85°	6.4
87.5°	0.0
90°	0.0

(END OF REPORT)