

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: P249650

Luminaire Tested: **LD8B175D010 ER8B175950 8LBS0GPH**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P249650
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-95)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD8B175D010 ER8B175950 8LBS0GPH
Description: PORTFOLIO 8 INCH WIDE SHALLOW DISTRIBUTION 75 DEGREE CUTOFF RECESSED
DOWNLIGHT
90 CRI 5000 CCT WITH GRAPHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16819.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.22
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

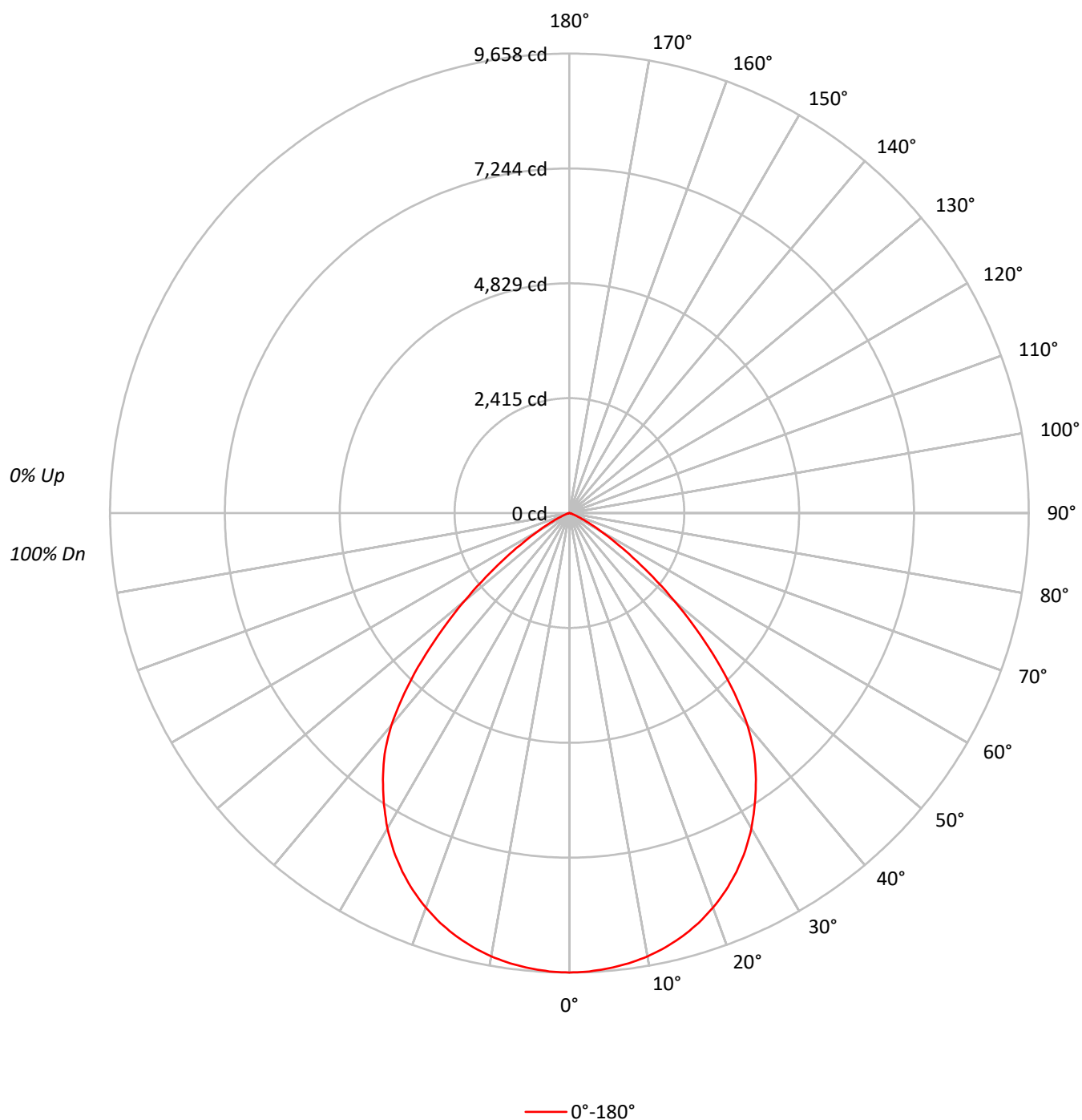
Input Watts (W): 177.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	112	109	106	103	110	107	104	101		102	100	98		99	97	95		95	94	93
2	105	99	94	90	102	97	92	89		94	90	87		91	87	85		88	85	83
3	98	90	84	79	96	88	83	78		85	81	77		83	79	75		81	77	74
4	91	82	75	69	89	80	74	69		78	73	68		76	71	67		74	70	66
5	85	75	67	62	83	73	67	62		72	66	61		70	64	60		68	63	60
6	79	68	61	56	78	67	60	55		66	59	55		64	59	54		63	58	54
7	74	63	55	50	73	62	55	50		61	54	50		59	54	49		58	53	49
8	69	58	51	45	68	57	50	45		56	50	45		55	49	45		54	49	45
9	65	54	46	42	64	53	46	41		52	46	41		51	45	41		50	45	41
10	61	50	43	38	60	49	43	38		48	42	38		47	42	38		47	41	38

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	297820
5°	297314
10°	296252
15°	293903
20°	289638
25°	282948
30°	272573
35°	257366
40°	234600
45°	191409
50°	138493
55°	87427
60°	46933
65°	21269
70°	7231
75°	3598
80°	2397
85°	1097



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.4	5.4
10°-20°	2593.9	15.4
20°-30°	3819.9	22.7
30°-40°	4253.1	25.3
40°-50°	3359.0	20.0
50°-60°	1506.0	9.0
60°-70°	332.4	2.0
70°-80°	37.5	0.2
80°-90°	4.9	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°	7326.1	43.6
0°-40°	11579.2	68.8
0°-60°	16444.2	97.8
0°-90°	16819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16819.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9658	
5°	9605	912
15°	9206	2594
25°	8316	3820
35°	6837	4253
45°	4389	3359
55°	1626	1506
65°	292	332
75°	30	38
85°	3	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	9658.1
2.5°	9643.5
5°	9605.0
7.5°	9545.7
10°	9461.3
12.5°	9347.8
15°	9206.3
17.5°	9033.4
20°	8826.3
22.5°	8587.9
25°	8316.1
27.5°	8002.8
30°	7655.1
32.5°	7256.3
35°	6836.8
37.5°	6386.0
40°	5828.0
42.5°	5137.7
45°	4389.2
47.5°	3627.1
50°	2886.9
52.5°	2210.2
55°	1626.2
57.5°	1135.8
60°	761.0
62.5°	482.0
65°	291.5
67.5°	162.4
70°	80.2
72.5°	43.7
75°	30.2
77.5°	21.9
80°	13.5
82.5°	7.3
85°	3.1
87.5°	1.0
90°	0.0

(END OF REPORT)