

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: P251416

Luminaire Tested: **LSR8B60D010 EC8B60827 8LBW0MW**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P251416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1801-521-48)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LSR8B60D010 EC8B60827 8LBW0MW
Description: PORTFOLIO 8 INCH WIDE DISTRIBUTION 60 DEGREE CUTOFF RECESSED
DOWNLIGHT- CYLINDEC
80 CRI 2700 CCT WITH MATTE WHITE TRIM
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5964.0 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.05
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

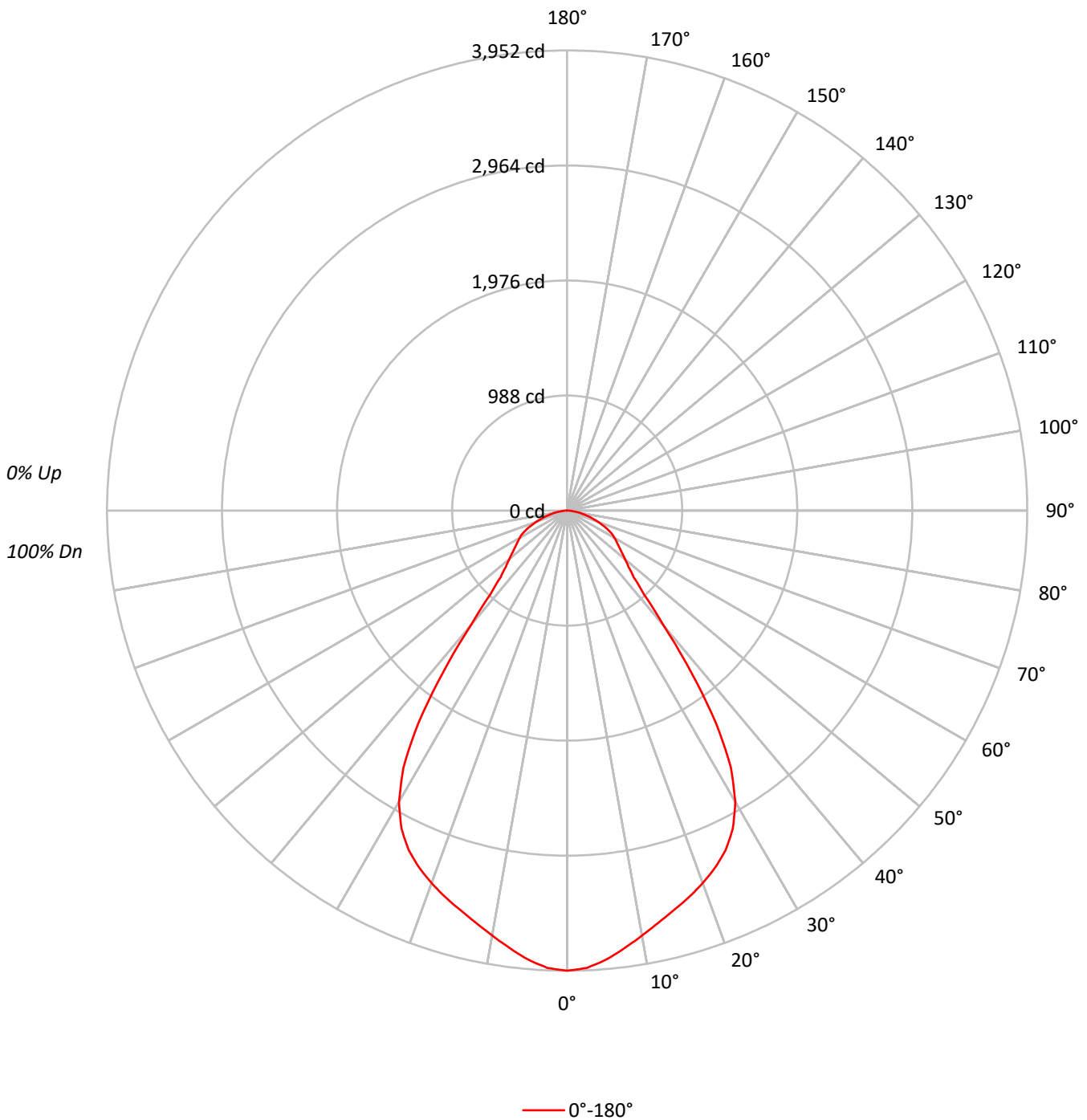
Input Watts (W): 59.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70
4	90	80	73	67	88	79	72	67	76	70	66	74	69	65	72	68	64	62
5	84	73	66	60	82	72	65	60	70	64	59	68	63	59	67	62	58	56
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	48	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	121853
5°	119799
10°	116033
15°	113347
20°	111733
25°	109541
30°	102850
35°	83954
40°	52008
45°	35223
50°	31034
55°	29289
60°	29048
65°	28157
70°	25245
75°	21863
80°	18468
85°	14718



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.1	6.1
10°-20°	1002.8	16.8
20°-30°	1470.6	24.7
30°-40°	1344.3	22.5
40°-50°	665.5	11.2
50°-60°	492.1	8.3
60°-70°	378.3	6.3
70°-80°	197.2	3.3
80°-90°	49.1	0.8
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°	2837.5	47.6
0°-40°	4181.8	70.1
0°-60°	5339.4	89.5
0°-90°	5964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5964.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3952	
5°	3870	364
15°	3550	1003
25°	3220	1471
35°	2230	1344
45°	808	666
55°	545	492
65°	386	378
75°	184	197
85°	42	49
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3951.6
2.5°	3930.8
5°	3870.2
7.5°	3788.9
10°	3705.7
12.5°	3624.3
15°	3550.5
17.5°	3480.6
20°	3404.9
22.5°	3319.8
25°	3219.5
27.5°	3081.4
30°	2888.5
32.5°	2618.0
35°	2230.2
37.5°	1749.7
40°	1292.0
42.5°	978.0
45°	807.7
47.5°	715.0
50°	646.9
52.5°	592.1
55°	544.8
57.5°	505.1
60°	471.0
62.5°	435.1
65°	385.9
67.5°	332.9
70°	280.0
72.5°	230.8
75°	183.5
77.5°	141.9
80°	104.0
82.5°	71.9
85°	41.6
87.5°	15.1
90°	0.0

(END OF REPORT)